

## Rabbit UNC119 Polyclonal Antibody | anti-UNC119 antibody

UNC119 Antibody (Center)

|                               |                       |                                                                     |                                                                  |
|-------------------------------|-----------------------|---------------------------------------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA285257</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Reactivity: Human, MousePredicted: Bovine, Rat</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|---------------------------------------------------------------------|------------------------------------------------------------------|

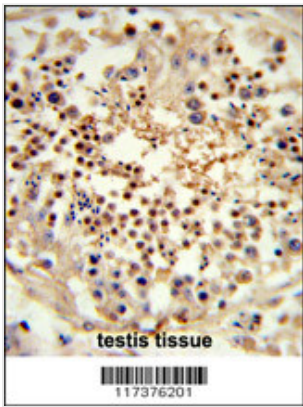
### PRODUCT SYNONYMS

UNC119; Polyclonal Antibody; UNC119 Antibody (Center); Protein unc-119 homolog A; Retinal protein 4; hRG4; RG4; anti-UNC119 antibody

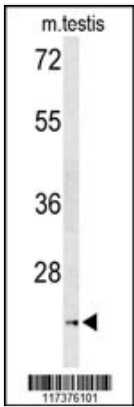
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Reactivity                                       | Reactivity: Human, Mouse<br>Predicted: Bovine, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Isotype                                          | Rabbit Ig                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Specificity                                      | This UNC119 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 64-94 amino acids from the Central region of human UNC119.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Form/Format                                      | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Applicable Applications for anti-UNC119 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Function                                         | Involved in synaptic functions in photoreceptor cells, the signal transduction in immune cells as a Src family kinase activator, endosome recycling, the uptake of bacteria and endocytosis, protein trafficking in sensory neurons and as lipid-binding chaperone with specificity for a diverse subset of myristoylated proteins. Specifically binds the myristoyl moiety of a subset of N-terminally myristoylated proteins and is required for their localization. Binds myristoylated GNAT1 and is required for G-protein localization and trafficking in sensory neurons. Probably plays a role in trafficking proteins in photoreceptor cells. Plays important roles in mediating Src family kinase signals for the completion of cytokinesis via RAB11A. |
| Cellular Location                                | Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle pole. Cytoplasm, cytoskeleton, spindle. Note=Localizes to the centrosome in interphase cells and begins to translocate from the spindle pole to the spindle midzone after the onset of mitosis; it then localizes to the intercellular bridge in telophase cells and to the midbody in cytokinetic cells.                                                                                                                                                                                                                                                                                                                                                   |
| Tissue Location                                  | Abundantly expressed in retina, in photoreceptor synapses and inner segments. Expressed in a much lesser extent in several other tissues.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Preparation and Storage                          | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

IMAGES



**IHC (Immunohiostchemistry)**  
Formalin-fixed and paraffin-embedded human testis tissue reacted with UNC119 Antibody (Center)(AAA285257), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



**WB (Western Blot)**  
Western blot analysis of UNC119 Antibody (Center) (Cat. #AAA285257) in mouse testis tissue lysates (35ug/lane). UNC119 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-UNC119 antibody | UNC119 is specifically expressed in the photoreceptors in the retina. The encoded product shares strong homology with the C. elegans unc119 protein and it can functionally complement the C. elegans unc119 mutation. It has been localized to the photoreceptor synapses in the outer plexiform layer of the retina, and suggested to play a role in the mechanism of photoreceptor neurotransmitter release through the synaptic vesicle cycle. |
| Product Categories/Family for anti-UNC119 antibody   | Neuroscience                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| References                                           | Karim, Z., et al. Cell. Signal. 22(1):128-137(2010)<br>Gorska, M.M., et al. J. Immunol. 183(3):1675-1684(2009)<br>Vepachedu, R., et al. J. Immunol. 179(1):682-690(2007)                                                                                                                                                                                                                                                                           |

NCBI AND UNIPROT INFORMATION

|                                  |                                     |
|----------------------------------|-------------------------------------|
| NCBI GI #                        | 4827048                             |
| NCBI GeneID                      | 9094                                |
| NCBI Accession #                 | NP_005139.1; NP_473376.1            |
| NCBI GenBank Nucleotide #        | NM_005148.3                         |
| UniProt Accession #              | Q13432; O95126; A8K8G4; F1T095      |
| Molecular Weight                 | 26962                               |
| NCBI Official Full Name          | protein unc-119 homolog A isoform a |
| NCBI Official Synonym Full Names | unc-119 lipid binding chaperone     |
| NCBI Official Symbol             | UNC119                              |
| NCBI Official Synonym Symbols    | HRG4; POC7; IMD13; POC7A            |
| NCBI Protein Information         | protein unc-119 homolog A           |
| UniProt Protein Name             | Protein unc-119 homolog A           |
| UniProt Gene Name                | UNC119                              |
| UniProt Synonym Gene Names       | RG4; hRG4                           |
| UniProt Entry Name               | U119A_HUMAN                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/unc119-antibody-immunohistochemistry-western-blot-elisa/285257>