

## Rabbit anti-Human VPS4B Polyclonal Antibody | anti-VPS4B antibody

VPS4B Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                    |
|-----------|--------|------------|-------------------------------------------------|
| AAA233312 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, ELISA |

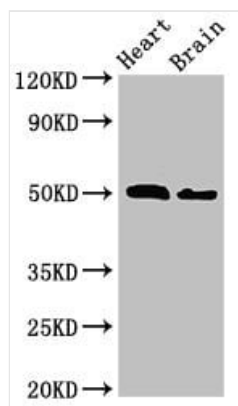
### PRODUCT SYNONYMS

VPS4B; Polyclonal Antibody; VPS4B Antibody; Vacuolar protein sorting-associated protein 4B; Cell migration-inducing gene 1 protein; Suppressor of K(+) transport growth defect 1; Protein SKD1; SKD1; VPS42; MIG1; anti-VPS4B antibody

### PRODUCT SPECIFICATIONS

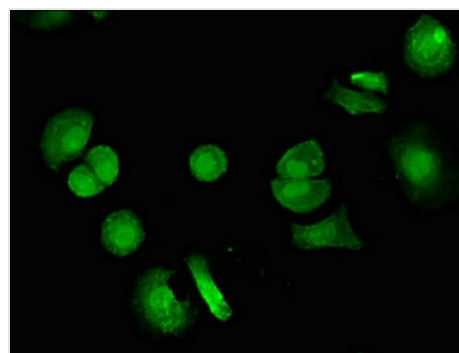
|                                                 |                                                                                                                |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                         |
| Reactivity                                      | Human                                                                                                          |
| Clonality                                       | Polyclonal                                                                                                     |
| Isotype                                         | IgG                                                                                                            |
| Purity/Purification                             | >95%, Protein G purified                                                                                       |
| Form/Format                                     | Liquid                                                                                                         |
| Sequence Length                                 | 444                                                                                                            |
| Applicable Applications for anti-VPS4B antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA                                                     |
| Immunogen                                       | Recombinant Human Vacuolar protein sorting-associated protein 4B protein (1-117AA)                             |
| Conjugation                                     | Non-conjugated                                                                                                 |
| Preservative                                    | 0.03% Proclin 300                                                                                              |
| Constituents                                    | 50% Glycerol, 0.01M PBS, pH 7.4                                                                                |
| Preparation and Storage                         | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze. |

### IMAGES



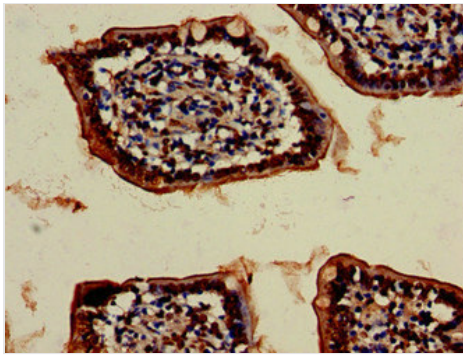
#### WB (Western Blot)

Western Blot Positive WB detected in: Mouse heart tissue, Mouse brain tissue. All lanes: VPS4B antibody at 2.5 µg/ml. Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 50 kDa. Observed band size: 50 kDa.



#### IF (Immunofluorescence)

Immunofluorescent analysis of MCF-7 cells using AAA233312 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



**IHC (Immunohistochemistry)**  
Immunohistochemistry of paraffin-embedded human small intestine tissue using AAA233312 at dilution of 1:100

### ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-VPS4B antibody</b> | Involved in late steps of the endosomal multivesicular bodies (MVB) pathway. Recognizes membrane-associated ESCRT-III assemblies and catalyzes their disassembly, possibly in combination with membrane fission. Redistributes the ESCRT-III components to the cytoplasm for further rounds of MVB sorting. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. In conjunction with the ESCRT machinery also appears to function in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis and enveloped virus budding (HIV-1 and other lentiviruses). VPS4A/B are required for the exosomal release of SDCBP, CD63 and syndecan (PubMed:22660413). |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                                         |                                                |
|-----------------------------------------|------------------------------------------------|
| <b>NCBI GI #</b>                        | 17865802                                       |
| <b>NCBI GeneID</b>                      | 9525                                           |
| <b>NCBI Accession #</b>                 | NP_004860.2                                    |
| <b>NCBI GenBank Nucleotide #</b>        | NM_004869.3                                    |
| <b>UniProt Accession #</b>              | O75351; Q69HW4; Q9GZS7                         |
| <b>Molecular Weight</b>                 | 49,302 Da                                      |
| <b>NCBI Official Full Name</b>          | vacuolar protein sorting-associated protein 4B |
| <b>NCBI Official Synonym Full Names</b> | vacuolar protein sorting 4 homolog B           |
| <b>NCBI Official Symbol</b>             | VPS4B                                          |
| <b>NCBI Official Synonym Symbols</b>    | MIG1; SKD1; SKD1B; VPS4-2                      |
| <b>NCBI Protein Information</b>         | vacuolar protein sorting-associated protein 4B |
| <b>UniProt Protein Name</b>             | Vacuolar protein sorting-associated protein 4B |
| <b>UniProt Gene Name</b>                | VPS4B                                          |
| <b>UniProt Synonym Gene Names</b>       | SKD1; VPS42; Protein SKD1                      |

**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.