

## Rabbit PDE5A Polyclonal Antibody | anti-PDE5A antibody

PDE5A Polyclonal Antibody

|                               |                       |                                        |                                                                  |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA166412</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot, ELISA</b> |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|

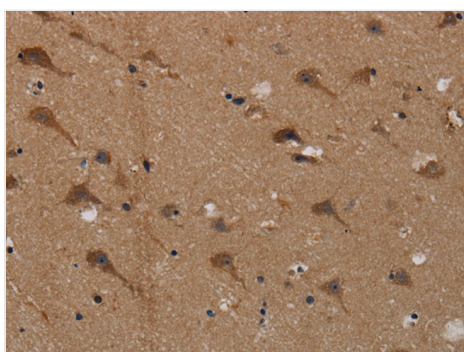
### PRODUCT SYNONYMS

PDE5A; Polyclonal Antibody; PDE5A Polyclonal Antibody; CN5A; PDE5; CGB-PDE; anti-PDE5A antibody

### PRODUCT SPECIFICATIONS

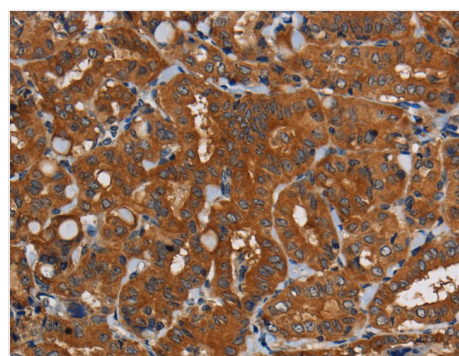
|                                                 |                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                    |
| Reactivity                                      | Human, Mouse, Rat                                                                         |
| Clonality                                       | Polyclonal                                                                                |
| Isotype                                         | IgG                                                                                       |
| Purity/Purification                             | Antigen affinity purification                                                             |
| Concentration                                   | 2.9mg/mL (varies by lot)                                                                  |
| Sequence Length                                 | 875                                                                                       |
| Applicable Applications for anti-PDE5A antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                      |
| Immunogen                                       | Synthetic peptide of human PDE5A                                                          |
| Buffer                                          | PBS with 0.05% sodium azide, 50% glycerol, pH7.3                                          |
| Preparation and Storage                         | Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles. |

### IMAGES



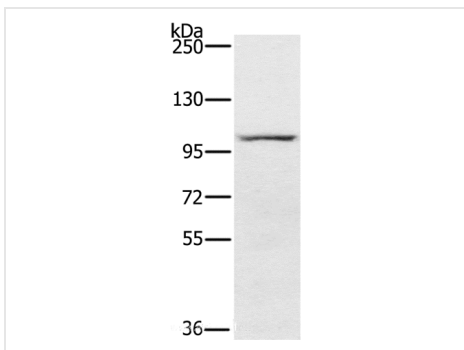
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human brain using PDE5A Polyclonal Antibody at dilution of 1:50



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human thyroid cancer using PDE5A Polyclonal Antibody at dilution of 1:50



#### WB (Western Blot)

Western Blot analysis of 293T cell using PDE5A Polyclonal Antibody at dilution of 1:200

## ADDITIONAL INFORMATION

### Related Product Information for anti-PDE5A antibody

This gene encodes a cGMP-binding, cGMP-specific phosphodiesterase, a member of the cyclic nucleotide phosphodiesterase family. This phosphodiesterase specifically hydrolyzes cGMP to 5'-GMP. It is involved in the regulation of intracellular concentrations of cyclic nucleotides and is important for smooth muscle relaxation in the cardiovascular system. Alternative splicing of this gene results in three transcript variants encoding distinct isoforms.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 365776143                                                                                                                                                                                                                        |
| NCBI GeneID                      | 8654                                                                                                                                                                                                                             |
| Molecular Weight                 | 94,805 Da                                                                                                                                                                                                                        |
| NCBI Official Full Name          | phosphodiesterase 5A                                                                                                                                                                                                             |
| NCBI Official Synonym Full Names | phosphodiesterase 5A, cGMP-specific                                                                                                                                                                                              |
| NCBI Official Symbol             | PDE5A                                                                                                                                                                                                                            |
| NCBI Official Synonym Symbols    | CN5A; PDE5; CGB-PDE                                                                                                                                                                                                              |
| NCBI Protein Information         | cGMP-specific 3',5'-cyclic phosphodiesterase; cGMP-binding cGMP-specific 3',5'-cyclic nucleotide phosphodiesterase; cGMP-specific phosphodiesterase PDE5A2; cGMP-specific phosphodiesterase type 5A; phosphodiesterase isozyme 5 |
| UniProt Protein Name             | cGMP-specific 3',5'-cyclic phosphodiesterase                                                                                                                                                                                     |
| UniProt Gene Name                | <b>PDE5A</b>                                                                                                                                                                                                                     |
| UniProt Synonym Gene Names       | PDE5; CGB-PDE                                                                                                                                                                                                                    |
| UniProt Entry Name               | PDE5A_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/pde5a-antibody-immunohistochemistry-western-blot-elisa/166412>