

## Rabbit PDE5A Polyclonal Antibody | anti-PDE5A antibody

PDE5A Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY         | APPLICATIONS                                                                 |
|-----------|--------|--------------------|------------------------------------------------------------------------------|
| AAA291940 | Rabbit | Rat, Pig, Dog, Cow | Immunofluorescence, Immunohistochemistry, Immunohistochemistry, Western Blot |

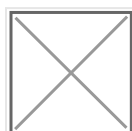
### PRODUCT SYNONYMS

PDE5A; Polyclonal Antibody; PDE5A Polyclonal Antibody; cGMP-specific 3'; 5'-cyclic phosphodiesterase; 3.1.4.35; cGMP-binding cGMP-specific phosphodiesterase; CGB-PDE; PDE5; anti-PDE5A antibody

### PRODUCT SPECIFICATIONS

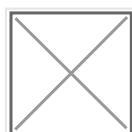
|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Rat, Pig, Dog, Cow                                                                                                                                    |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Purity/Purification                             | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                             |
| Applicable Applications for anti-PDE5A antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), IHC (Immunohistochemistry), WB (Western Blot)                                                    |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



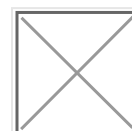
#### WB (Western Blot)

Dilution: Sample: Lane 1: HT1080 (Human) Cell Lysate at 30 ug Lane 2: SH-SY5Y (Human) Cell Lysate at 30 ug Primary: Anti-PDE5A (bs-2349R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 98 kDa Observed band size: 110 kDa



#### IHC (Immunohistochemistry)

Paraformaldehyde-fixed, paraffin embedded (rat heart tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37 degree C for 30min; Antibody incubation with (PDE5A) Polyclonal Antibody, Unconjugated (bs-2349R) at 1400 overnight at 4 degree C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



#### FCM/FACS (Flow Cytometry)

Blank control: RSC96(blue), the cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice. Isotype Control Antibody: Rabbit IgG(orange) ; Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA ; Primary Antibody Dilution: 0.2 ug in 100 uL 1X PBS containing 0.5% BSA(green).

### NCBI AND UNIPROT INFORMATION

|             |          |
|-------------|----------|
| NCBI GI #   | 61744435 |
| NCBI GeneID | 8654     |

|                                  |                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Accession #                 | <a href="#">NP_001074.2</a>                                                                                                                                                                           |
| NCBI GenBank Nucleotide #        | <a href="#">NM_001083.3</a>                                                                                                                                                                           |
| UniProt Accession #              | <a href="#">O76074</a> ; <a href="#">O75026</a> ; <a href="#">O75887</a> ; <a href="#">Q86UI0</a> ; <a href="#">Q86V66</a> ; <a href="#">Q9Y6Z6</a> ; <a href="#">A0AV69</a> ; <a href="#">A8K2C4</a> |
| NCBI Official Full Name          | cGMP-specific 3',5'-cyclic phosphodiesterase isoform 1                                                                                                                                                |
| NCBI Official Synonym Full Names | phosphodiesterase 5A                                                                                                                                                                                  |
| NCBI Official Symbol             | PDE5A                                                                                                                                                                                                 |
| NCBI Official Synonym Symbols    | CN5A; PDE5; CGB-PDE                                                                                                                                                                                   |
| NCBI Protein Information         | cGMP-specific 3',5'-cyclic phosphodiesterase                                                                                                                                                          |
| UniProt Protein Name             | cGMP-specific 3',5'-cyclic phosphodiesterase                                                                                                                                                          |
| UniProt Gene Name                | <b>PDE5A</b>                                                                                                                                                                                          |
| UniProt Synonym Gene Names       | PDE5; CGB-PDE                                                                                                                                                                                         |

**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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