



## Rabbit Anti-PDE6D antibody

SL12586R

<b>Product Name:</b>	PDE6D
<b>Chinese Name:</b>	磷酸二酯酶6δ抗体
<b>Alias:</b>	PDE6 delta; 5''-cyclic phosphodiesterase subunit delta; GMP PDE delta; GMP-PDE delta; p17 protein; PDE 6; PDE 6D; PDE D; PDE6; PDE6D; PDE6D_HUMAN; PDED; Phosphodiesterase 6D cGMP specific; Phosphodiesterase 6D cGMP specific rod delta; Protein p17; Retinal rod photoreceptor cGMP phosphodiesterase delta; Retinal rod rhodopsin sensitive cGMP 3' 5' cyclic phosphodiesterase subunit delta; Retinal rod rhodopsin-sensitive cGMP 3''.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Cow,Horse,Rabbit,Zebrafish,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	17kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human PDE6D:1-100/150
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene encodes the delta subunit of rod-specific photoreceptor phosphodiesterase (PDE), a key enzyme in the phototransduction cascade. A similar protein in cow

functions in solubilizing membrane-bound PDE. In addition to its role in the PDE complex, the encoded protein is thought to bind to prenyl groups of proteins to target them to subcellular organelles called cilia. Mutations in this gene are associated with Joubert syndrome-22. Alternative splicing results in multiple splice variants. [provided by RefSeq, Mar 2014]

**Function:**

Acts as a GTP specific dissociation inhibitor (GDI). Increases the affinity of ARL3 for GTP by several orders of magnitude and does so by decreasing the nucleotide dissociation rate. Stabilizes Arl3-GTP by decreasing the nucleotide dissociation.

**Tissue Specificity:**

Retina.

**Similarity:**

Belongs to the PDE6D/unc-119 family.

**SWISS:**

O43924

**Gene ID:**

5147

**Database links:**

[Entrez Gene: 281976](#) Cow

[Entrez Gene: 403781](#) Dog

[Entrez Gene: 5147](#) Human

[Entrez Gene: 18582](#) Mouse

[Entrez Gene: 363272](#) Rat

[Omim: 602676](#) Human

[SwissProt: Q95142](#) Cow

[SwissProt: Q9XT54](#) Dog

[SwissProt: O43924](#) Human

[SwissProt: O55057](#) Mouse

[Unigene: 516808](#) Human

[Unigene: 12925](#) Mouse

[Unigene: 44816](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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