

Rabbit PDE6G Polyclonal Antibody | anti-PDE6G antibody

PDE6G Rabbit pAb

CATALOG # AAA281803	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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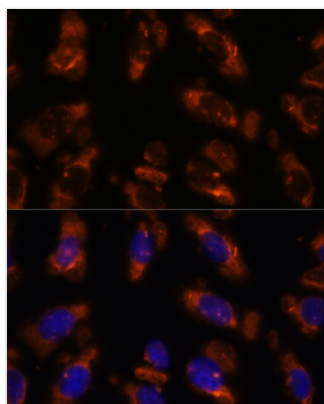
PRODUCT SYNONYMS

PDE6G; Polyclonal Antibody; PDE6G Rabbit pAb; PDEG; RP57; anti-PDE6G antibody

PRODUCT SPECIFICATIONS

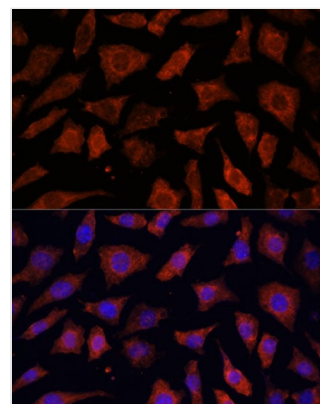
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	MNLEPPKAEF RSATRVAGGP VTPRKGPPKF KQRQTRQFKS KPPKKGVQGF GDDIPGMEGL GTDITVICPW EAFNHLELHE LAQYGII
Applicable Applications for anti-PDE6G antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-87 of human PDE6G (NP_002593.1).
Positive Samples	Mouse liver, Mouse eye, Rat spleen
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



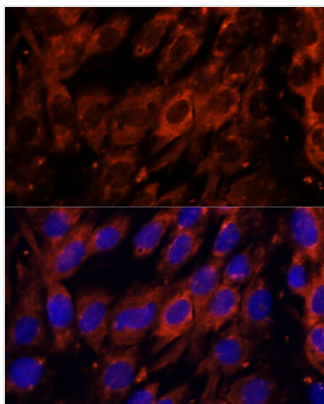
IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using PDE6G antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



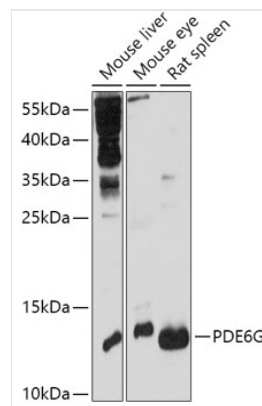
IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using PDE6G antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using PDE6G antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PDE6G antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-PDE6G antibody

Background: This gene encodes the gamma subunit of cyclic GMP-phosphodiesterase, which is composed of alpha- and beta- catalytic subunits and two identical, inhibitory gamma subunits. This gene is expressed in rod photoreceptors and functions in the phototransduction signaling cascade. It is also expressed in a variety of other tissues, and has been shown to regulate the c-Src protein kinase and G-protein-coupled receptor kinase 2. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2009]

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505673
NCBI GeneID	5148
NCBI Accession #	NP_002593.1
NCBI GenBank Nucleotide #	NM_002602.3
UniProt Accession #	P18545; Q3KP63; Q7Z3U8
Molecular Weight	9,643 Da
NCBI Official Full Name	retinal rod rhodopsin-sensitive cGMP 3',5'-cyclic phosphodiesterase subunit gamma
NCBI Official Synonym Full Names	phosphodiesterase 6G, cGMP-specific, rod, gamma
NCBI Official Symbol	PDE6G
NCBI Official Synonym Symbols	PDEG; RP57
NCBI Protein Information	retinal rod rhodopsin-sensitive cGMP 3',5'-cyclic phosphodiesterase subunit gamma; rod cG-PDE G; GMP-PDE gamma
UniProt Protein Name	Retinal rod rhodopsin-sensitive cGMP 3',5'-cyclic phosphodiesterase subunit gamma
UniProt Gene Name	PDE6G
UniProt Synonym Gene Names	PDEG; GMP-PDE gamma
UniProt Entry Name	CNRG_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.