Mouse PDE6G Monoclonal Antibody | anti-PDE6G antibody

PDE6G antibody

CATALOG #	HOST	APPLICATIONS
AAA107385	**Mouse**	**Western Blot, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

PDE6G; Monoclonal Antibody; PDE6G antibody; Monoclonal PDE6G; Anti-PDE6G; Phosphodiesterase 6G cGMP-specific rod gamma; PDEG; GMP-PDE gamma; RP57; DKFZp686C0587; PDEG 6; PDEG-6; anti-PDE6G antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	1F3
Purity/Purification	PDE6G antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	87
Applicable Applications for anti-PDE6G antibody	WB (Western Blot), FCM/FACS (Flow Cytometry)
Biological Significance	PDE6G 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 toregulate the c-Src protein kinase and G-protein-coupled receptor kinase 2.
Cross-Reactivity	Human
Immunogen	PDE6G antibody was raised in mouse using a full length recombinant protein of human PDE6G (NP_002593) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PDE6G protein (Right) or empty vector (Left) detected with PDE6G antibody

FCM/FACS (Flow Cytometry)
Flow Cytometric analysis of HEK293T cells transfected with either recombinant PDE6G protein (red) or empty vector (blue) stained using PDE6G antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PDE6G antibody	Mouse monoclonal PDE6G antibody

Product Categories/Family for anti-PDE6G antibody	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505673
NCBI GeneID	5148
NCBI Accession #	NP_002593
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
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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/pde6g-antibody-clone-1f3-western-blot-flow-cytometry-elisa/107385