ARG10806
anti-PDE6A antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PDE6A
Tested Reactivity	Hu, Ms, Rat
Tested Application	Confocal, Dot, ELISA, ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PDE6A
Species	Human
Immunogen	Synthetic cyclic peptide common to all PDE6 alpha variants.
Conjugation	Un-conjugated
Alternate Names	RP43; CGPR-A; PDEA; GMP-PDE alpha; PDE V-B1; EC 3.1.4.35; Rod cGMP-specific 3',5'-cyclic phosphodiesterase subunit alpha

Application Instructions

Application table

Application	Dilution
Confocal	1:250
Dot	1:10000
ELISA	1:10000
ICC/IF	1:250
IHC-P	1:250
IP	1:250
WB	1:500

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

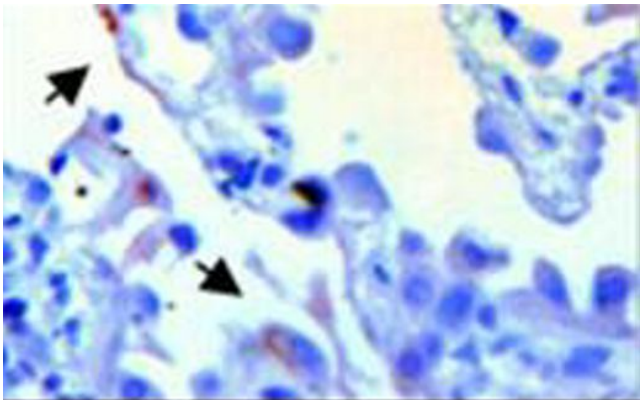
Form	Liquid
Purification	Affinity purified.
Buffer	Tris-Glycine Buffer (pH 7.4 - 7.8), Hepes, 0.02% Sodium azide, 30% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	30% Glycerol and 0.5% BSA

Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 110855 Mouse GeneID: 5146 Human Swiss-port # P51160 Human Swiss-port # Q91ZQ1 Mouse
Gene Symbol	PDE6A
Gene Full Name	phosphodiesterase 6A, cGMP-specific, rod, alpha
Background	This gene encodes the cyclic-GMP (cGMP)-specific phosphodiesterase 6A alpha subunit, expressed in cells of the retinal rod outer segment. The phosphodiesterase 6 holoenzyme is a heterotrimer composed of an alpha, beta, and two gamma subunits. cGMP is an important regulator of rod cell membrane current, and its dynamic concentration is established by phosphodiesterase 6A cGMP hydrolysis and guanylate cyclase cGMP synthesis. The protein is a subunit of a key phototransduction enzyme and participates in processes of transmission and amplification of the visual signal. Mutations in this gene have been identified as one cause of autosomal recessive retinitis pigmentosa. [provided by RefSeq, Jul 2008]
Function	This protein participates in processes of transmission and amplification of the visual signal. [UniProt]
Calculated Mw	100 kDa

Images



ARG10806 anti-PDE6A antibody IHC image

Immunohistochemistry: Lung tissue stained with ARG10806 anti-PDE6A antibody.