



PDE6G (Phospho Thr22) rabbit pAb

Catalog No	YP-Ab-10425
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB; ELISA
Gene Name	PDE6G PDEG
Immunogen	Synthesized peptide derived from human PDE6G (Phospho Thr22)
Specificity	This antibody detects endogenous levels of Human, Mouse PDE6G (Phospho Thr22)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	5"-cyclic phosphodiesterase subunit gamma;CNRG_HUMAN;GMP-PDE gamma;MGC125749;PDE 6;PDE6G;PDEG;Phosphodiesterase 6G cGMP Specific;Phosphodiesterase 6G cGMP specific rog gamma;Retinal Rod Photoreceptor cGMP Phosphodiesterase gamma;Retinal rod rhodopsin sensitive cGMP 3' 5'vcyclic phosphodiesterase subunit gamma;Retinal rod rhodopsin-sensitive cGMP 3";Rod cG PDE G;RP57;PDE6G PDEG;PDE6G (Phospho Thr22);Retinal rod rhodopsin-sensitive cGMP 3';5'-cyclic phosphodiesterase subunit gamma (GMP-PDE gamma;EC 3.1.4.35)
Observed Band	69kD
Calculated Molecular Weight	9KD; 1kD
Cell Pathway	
Tissue Specificity	
Function	catalytic activity:Guanosine 3',5'-cyclic phosphate + H(2)O = guanosine 5'-phosphate.,function:Participates in processes of transmission and amplification of the visual signal. cGMP-PDEs are the effector molecules in G-protein-mediated phototransduction in vertebrate rods and cones.,online information:Retina International's Scientific Newsletter,similarity:Belongs to the



rod/cone cGMP-PDE gamma subunit family.,subunit:Oligomer composed of two catalytic chains (alpha and beta), an inhibitory chain (gamma) and the delta chain.,

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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images