

PDE6G polyclonal antibody

Catalog: BS67455	Host: Rabbit	Reactivity: Human, Mouse, Rat, Bovine, Dog
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BackGround:

Phosphodiesterases (PDEs, also designated cyclic nucleotide phosphodiesterases) are important for the downregulation of the intracellular level of the second messenger cyclic adenosine monophosphate (cAMP), as they are responsible for hydrolyzing cAMP to 5'AMP. PDE6G, also designated phosphodiesterase 6G cGMP-specific rod g, is an oligomer composed of two catalytic chains (a and b), an inhibitory chain (g) and an d chain. PDE6G functions in the processes of transmission and amplification of the visual signal. A mutation in the rod PDE-g gene desensitizes and delays murine rod photoreceptors. PDE6H, also designated phosphodiesterase 6H cGMP-specific cone g, is a tetramer composed of two catalytic chains (a and b) and two inhibitory chains (g). It functions similarly to PDE6H in vision processes. Defects of the PDE6H gene cause retinal cone dystrophy 3 (rcd3), also designated cone dystrophy with night blindness and supernormal rod responses.

Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 19 kDa

Swiss-Prot:

P18545

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

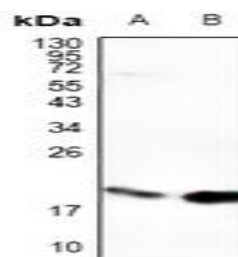
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of PDE6G protein.

DATA:



Western blot analysis of PDE6G expression in mouse eyes (A), rat eyes (B) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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