

## PDE6G Polyclonal Antibody

<b>Catalog No :</b>	YT6272
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	IHC;ELISA
<b>Target :</b>	PDE6G
<b>Fields :</b>	>>Purine metabolism;>>Metabolic pathways;>>Phototransduction
<b>Gene Name :</b>	PDE6G PDEG
<b>Protein Name :</b>	PDE6G
<b>Human Gene Id :</b>	5148
<b>Human Swiss Prot No :</b>	P18545
<b>Immunogen :</b>	Synthesized peptide derived from human PDE6G AA range: 10-90
<b>Specificity :</b>	This antibody detects endogenous levels of human PDE6G
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:50-200, ELISA(peptide)1:5000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Background :</b>	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],

**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.,

**Subcellular Location :**

plasma membrane,photoreceptor disc membrane,

**Expression :**

Human retina,Retina,

**Sort :**

11745

**No4 :**

1

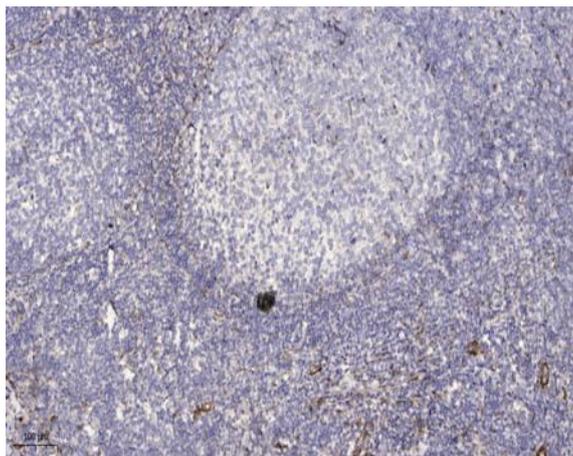
**Host :**

Rabbit

**Modifications :**

Unmodified

## Products Images



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).