

Rhodopsin (phospho Ser334) Polyclonal Antibody

Catalog No: #13562

Package Size: #13562-1 50ul #13562-2 100ul

Description

Product Name	Rhodopsin (phospho Ser334) Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	IHC-p,IF(paraffin section),ELISA
Species Reactivity	Human,Mouse,Rat
Specificity	Phospho-Rhodopsin (S334) Polyclonal Antibody detects endogenous levels of Rhodopsin protein only when phosphorylated at S334.
Immunogen Description	The antiserum was produced against synthesized peptide derived from human Rhodopsin around the phosphorylation site of Ser334. AA range:299-348
Conjugates	Unconjugated
Other Names	RHO; OPN2; Rhodopsin; Opsin-2
Accession No.	Swiss Prot:P08100GeneID:6010
Calculated MW	38kd
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

Application Details

Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.

Background

rhodopsin(RHO) Homo sapiens Retinitis pigmentosa is an inherited progressive disease which is a major cause of blindness in western communities. It can be inherited as an autosomal dominant, autosomal recessive, or X-linked recessive disorder. In the autosomal dominant form, which comprises about 25% of total cases, approximately 30% of families have mutations in the gene encoding the rod photoreceptor-specific protein rhodopsin. This is the transmembrane protein which, when photoexcited, initiates the visual transduction cascade. Defects in this gene are also one of the causes of congenital stationary night blindness. [provided by RefSeq, Jul 2008],

Note: This product is for in vitro research use only and is not intended for use in humans or animals.