

Rabbit Rhodopsin Polyclonal Antibody | anti-RHO antibody

Rhodopsin Polyclonal Antibody

CATALOG # AAA172485	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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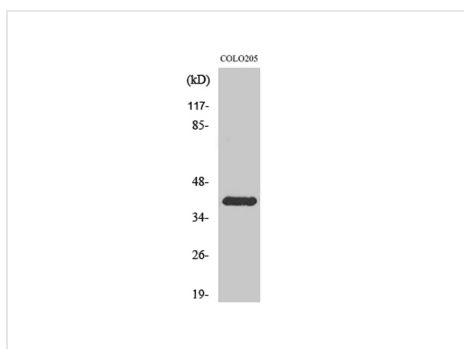
PRODUCT SYNONYMS

Rhodopsin; Polyclonal Antibody; Rhodopsin Polyclonal Antibody; RHO; OPN2; Opsin-2; anti-RHO antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-RHO antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthesized peptide derived from human Rhodopsin around the non-phosphorylation site of S334.
Calculated MW	39 kDa
Observed MW	42 kDa
Buffer	PBS with 0.02% sodium azide, 0.5% BSA and 50% glycerol pH 7.4.
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



WB (Western Blot)

Western Blot analysis of COLO205 cells with Rhodopsin Polyclonal Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RHO antibody	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. RHO (Rhodopsin) is a Protein Coding gene. Diseases associated with RHO include Night Blindness, Congenital Stationary, Autosomal Dominant 1 and Retinitis Pigmentosa 4, Autosomal Dominant Or Recessive. Among its related pathways are the visual cycle I (vertebrates) and Phototransduction. GO annotations related to this gene include G-protein coupled receptor activity and photoreceptor activity. An important paralog of this gene is OPN1SW
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506527
NCBI GeneID	6010
NCBI Accession #	NP_000530.1
NCBI GenBank Nucleotide #	NM_000539.3
NCBI Official Full Name	rhodopsin
NCBI Official Synonym Full Names	rhodopsin
NCBI Official Symbol	RHO
NCBI Official Synonym Symbols	RP4; OPN2; CSNBAD1
NCBI Protein Information	rhodopsin
UniProt Protein Name	Rhodopsin
UniProt Gene Name	RHO
UniProt Synonym Gene Names	OPN2
UniProt Entry Name	OPSD_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.