RHO (phospho S188) polyclonal antibody

Catalog # PAB12644 Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of RHO.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding S188 of human RHO.
Sequence	KKKSG
Host	Rabbit
Theoretical MW (kDa)	24
Reactivity	Human, Mouse, Rat
Specificity	This antibody recognizes ~24 KDa of human RHO.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (0.1-1 ug/mL) ELISA (0.01-0.1 ug/mL) Immunoprecipitation (2-5 ug/mL) Immunohistochemistry (2-10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In TBS, pH 7.2 (BSA, 10% Proclin300)
Storage Instruction	Store at 4°C. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry

- Immunoprecipitation
- Enzyme-linked Immunoabsorbent Assay

Gene Info — RHO

Entrez GeneID	6010
Gene Name	RHO
Gene Alias	CSNBAD1, MGC138309, MGC138311, OPN2, RP4
Gene Description	rhodopsin
Omim ID	180380
Gene Ontology	Hyperlink
Gene Summary	Retinitis pigmentosa is an inherited progressive disease which is a major cause of blindness in w estern communities. It can be inherited as an autosomal dominant, autosomal recessive, or X-link ed 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-speci fic protein rhodopsin. This is the transmembrane protein which, when photoexcited, initiates the vi sual transduction cascade. Defects in this gene are also one of the causes of congenital stationar y night blindness. [provided by RefSeq
Other Designations	opsin 2, rod pigment|retinitis pigmentosa 4, autosomal dominant|rhodopsin (opsin 2, rod pigment) (retinitis pigmentosa 4, autosomal dominant)

Publication Reference

- The alliance for cellular signaling plasmid collection: a flexible resource for protein localization studies and signaling pathway analysis.

  Zavzavadjian JR, Couture S, Park WS, Whalen J, Lyon S, Lee G, Fung E, Mi Q, Liu J, Wall E, Santat L, Dhandapani K, Kivork C, Driver A, Zhu X, Chang MS, Randhawa B, Gehrig E, Bryan H, Verghese M, Maer A, Saunders B, Ning Y, Subramaniam S, Meyer T, Simon MI, O'Rourke N, Chandy G, Fraser ID.

  Molecular & Cellular Proteomics 2007 Mar; 6(3):413.

Disease

- Genetic Diseases

- Retinal Degeneration
- Retinal Diseases
- Retinitis Pigmentosa
- Vision Disorders