

RecomAb™

RHO recombinant monoclonal antibody, clone Rho 1D4

Catalog # RAB03838

Size 200 ug

Specification

Product Description	Mouse recombinant monoclonal antibody raised against bleached bovine rod outer segment (ROS).
Antibody Species	Mouse
Immunogen	Original antibody is raised against recombinant protein corresponding to bleached bovine rod outer segment (ROS)
Reactivity	Bovine
Form	Liquid
Conjugation	Unconjugated
Concentration	batch dependent
Isotype	IgG1 kappa
Recommend Usage	ELISA Immunofluorescence Immunohistochemistry Immunoprecipitation Radioimmune labeling Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS with 0.02% Proclin 300
Storage Instruction	Store at 4°C for 3 months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	For research use only.

Applications

- Western Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Enzyme-linked Immunoabsorbent Assay

Gene Info — RHO

Entrez GeneID [6010](#)

Protein Accession# [P08100](#)

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 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]

Other Designations opsin 2, rod pigment|retinitis pigmentosa 4, autosomal dominant|rhodopsin (opsin 2, rod pigment) (retinitis pigmentosa 4, autosomal dominant)

Disease

- [Genetic Diseases](#)
- [Retinal Degeneration](#)
- [Retinal Diseases](#)
- [Retinitis Pigmentosa](#)

- [Vision Disorders](#)