

RHO monoclonal antibody, clone 4D2

Catalog # MAB8558 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against full length native RHO.
Immunogen	Native purified bovine RHO.
Host	Mouse
Reactivity	Bovine, Mammals
Specificity	This antibody is specific to N-terminus of RHO.
Form	Liquid
Recommend Usage	Western Blot (1:1000) Immunoprecipitation(1-2 ug/100-500 ug protein) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (50% glycerol, 0.09% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry
- Immunocytochemistry
- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — RHO

Entrez GeneID	509933
Gene Name	RHO
Gene Alias	-
Gene Description	rhodopsin
Gene Ontology	Hyperlink
Gene Summary	rod pigment) (retinitis pigmentosa 4
Other Designations	rhodopsin (opsin 2, rod pigment) (retinitis pigmentosa 4, autosomal dominant)

Publication Reference

- [Covalent bond between ligand and receptor required for efficient activation in rhodopsin.](#)

Matsuyama T, Yamashita T, Imai H, Shichida Y.

The Journal of Biological Chemistry 2009 Dec; 285(11):8114.

- [Helix formation in arrestin accompanies recognition of photoactivated rhodopsin.](#)

Feuerstein SE, Pulvermuller A, Hartmann R, Granzin J, Stoldt M, Henklein P, Ernst OP, Heck M, Willbold D, Koenig BW.

Biochemistry 2009 Nov; 48(45):10733.

- [Retinitis pigmentosa associated with rhodopsin mutations: Correlation between phenotypic variability and molecular effects.](#)

Iannaccone A, Man D, Waseem N, Jennings BJ, Ganapathiraju M, Gallaher K, Reese E, Bhattacharya SS, Klein-Seetharaman J.

Vision Research 2006 Dec; 46(27):4556.

- [Examining rhodopsin folding and assembly through expression of polypeptide fragments.](#)

Ridge KD, Lee SS, Abdulaev NG.

The Journal of Biological Chemistry 1996 Mar; 271(13):7860.

Application: WB-Re, WB-Tr, Monkey, COS-1 cells, Recombinant proteins

- [Peripherin. A rim-specific membrane protein of rod outer segment discs.](#)

Molday RS, Hicks D, Molday L.

Investigative Ophthalmology & Visual Science 1987 Jan; 28(1):50.

Application: IS, Bovine, Retinas