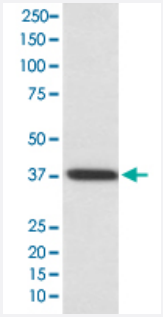
RHO monoclonal antibody, clone AADI-18

Catalog # MAB20675 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western Blot analysis of rat eyeball tissue lysate with RHO monoclonal antibody, clone AADI-18 (Cat # MAB20675).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human RHO.
Immunogen	A synthetic peptide corresponding to human RHO.
Host	Rabbit
Theoretical MW (kDa)	38.893
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

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Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry
- Western Blot (Tissue lysate)

  Western Blot analysis of rat eyeball tissue lysate with RHO monoclonal antibody, clone AADI-18 (Cat # MAB20675).

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 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)

Disease

- Genetic Diseases

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

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