

Rhodopsin Rabbit mAb

Catalog No: #49524

Package Size: #49524-1 50ul #49524-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

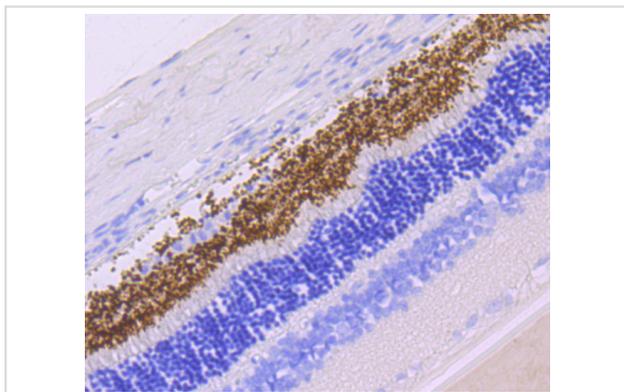
Description

| | |
|-----------------------|--|
| Product Name | Rhodopsin Rabbit mAb |
| Host Species | Recombinant Rabbit |
| Clonality | Monoclonal antibody |
| Clone No. | JA10-91 |
| Purification | ProA affinity purified |
| Applications | WB, IHC |
| Species Reactivity | Hu, Rt |
| Immunogen Description | recombinant protein |
| Other Names | CSNBAD1 antibody MGC138309 antibody MGC138311 antibody OPN 2 antibody OPN2 antibody opsd antibody OPSD_HUMAN antibody opsin 2 antibody Opsin 2 rod pigment antibody Opsin-2 antibody Opsin2 antibody Retinitis Pigmentosa 4 antibody Retinitis pigmentosa 4 autosomal dominant antibody RHO antibody Rhodopsin antibody RP 4 antibody RP4 antibody |
| Accession No. | Swiss-Prot#:P08100 |
| Uniprot | P08100 |
| GeneID | 6010; |
| Calculated MW | 39 kDa |
| Formulation | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide. |
| Storage | Store at -20°C |

Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200

Images



Immunohistochemical analysis of paraffin-embedded rat retina tissue using anti-Rhodopsin antibody. Counter stained with hematoxylin.

Background

In aerobic respiration reactions, succinate dehydrogenase (SDH) catalyzes the oxidation of succinate and ubiquinone to fumarate and ubiquinol. Four

subunits comprise the SDH protein complex: a flavochrome subunit (SDHA), an iron-sulfur protein (SDHB), and two membrane-bound subunits (SDHC and SDHD) anchored to the inner mitochondrial membrane. Mutations to these subunits cause mitochondrial dysfunction, corresponding to several distinct disorders. Mutations in the membrane bound components may cause hereditary paraganglioma, while SDHA mutations are associated with juvenile encephalopathy as well as Leigh Syndrome, a severe neurological disorder. Inactivating mutations in SDHB correlate with inherited, but not necessarily sporadic, cases of pheochromocytoma.

References

Note: This product is for in vitro research use only