

For Research Use Only

Recoverin Polyclonal antibody

Catalog Number: 10073-1-AP

18 Publications



Basic Information

Catalog Number:

10073-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0119

GenBank Accession Number:

BC001720

GeneID (NCBI):

5957

UNIPROT ID:

P35243

Full Name:

recoverin

Calculated MW:

24 kDa

Observed MW:

23 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IF-P 1:50-1:500

Applications

Tested Applications:

WB, IF-P, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, zebrafish

Positive Controls:

WB : mouse eye tissue, rat retina tissue, Y79 cells, rat eye tissue

IF-P : mouse eye tissue, mouse brain tissue

Background Information

Recoverin, belonging to a family of the neuronal calcium sensor (NCS) proteins, has a restricted expression in retinal photoreceptors or neurons or neuroendocrine cells. It has been suggested to play a role in light and dark adaptation by regulating rhodopsin phosphorylation. Recently, it has been found that autoantibodies against recoverin (24 kDa) have been strongly associated with cancer-associated retinopathy (CAR) syndrome, a paraneoplastic disease of the retina. But functions of recoverin in cancer cells remain unknown.

Notable Publications

Author	Pubmed ID	Journal	Application
Kenichi Makabe	32895435	Sci Rep	IF
Jie Zhang	34805789	iScience	WB
Keller Rachel L RL	16634935	Vet Ophthalmol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

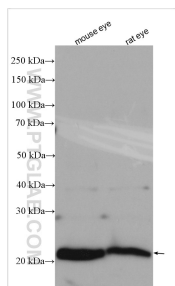
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

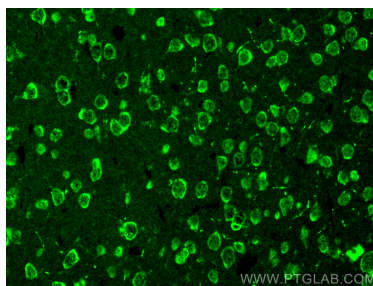
E: proteintech@ptglab.com
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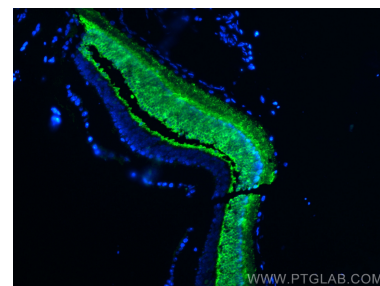
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10073-1-AP (Recoverin antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using Recoverin antibody (10073-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse eye tissue using Recoverin antibody (10073-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).