

For Research Use Only

# Recoverin Polyclonal antibody

Catalog Number: 10073-1-AP **14 Publications**



## Basic Information

<b>Catalog Number:</b> 10073-1-AP	<b>GenBank Accession Number:</b> BC001720	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 700 µg/ml	<b>GeneID (NCBI):</b> 5957	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IF 1:10-1:100
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P35243	
<b>Isotype:</b> IgG	<b>Full Name:</b> recoverin	
<b>Immunogen Catalog Number:</b> AG0119	<b>Calculated MW:</b> 24 kDa	
	<b>Observed MW:</b> 23 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, WB, ELISA	<b>Positive Controls:</b> WB : mouse eye tissue, rat retina tissue, Y79 cells, rat eye tissue IF : Y79 cells,
<b>Cited Applications:</b> IF, IHC, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, rat, mouse	

## 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

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

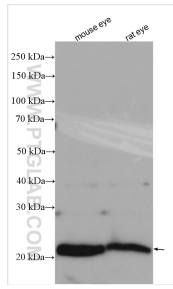
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

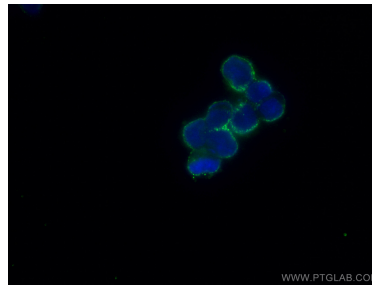
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## 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 Y79 cells using Recoverin antibody (10073-1-AP) at dilution of 1:20 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).