

For Research Use Only

# RBP3 Polyclonal antibody

Catalog Number: 14352-1-AP

7 Publications



## Basic Information

### Catalog Number:

14352-1-AP

### Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG5699

### GenBank Accession Number:

BC039844

### GeneID (NCBI):

5949

### UNIPROT ID:

P10745

### Full Name:

retinol binding protein 3, interstitial

### Calculated MW:

135 kDa

### Observed MW:

140 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:1000-1:4000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:20-1:200

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IHC, IF, IP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : mouse eye tissue, Y79 cells

IP : Y79 cells,

IHC : human eye tissue,

## Background Information

RBP3 (retinoid-binding protein 3), also called interstitial retinoid-binding protein (IRBP), is a large glycoprotein that is synthesized and secreted by rod photoreceptor cells into the interphotoreceptor matrix. It is known to bind retinoids and fatty acids. RBP3 migrates around 136-140 kDa in the western blot analysis. (PMID: 15928609)

## Notable Publications

Author	Pubmed ID	Journal	Application
Taylor N LaFlam	26527800	J Exp Med	IP
Majed Felemban	29777959	Acta Biomater	IHC
Suguru Yamasaki	35024589	iScience	IF

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

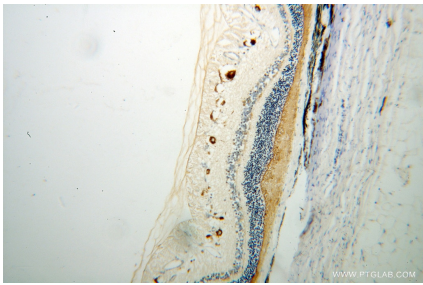
For technical support and original validation data for this product please contact:

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

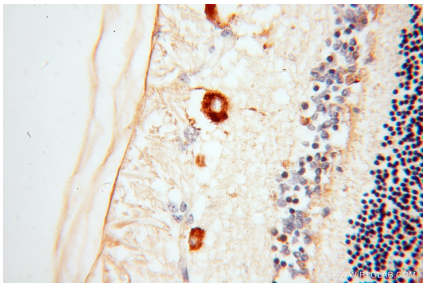
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

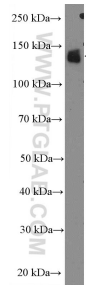
Selected Validation Data



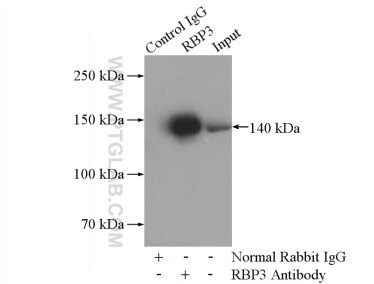
Immunohistochemical analysis of paraffin-embedded human eye using 14352-1-AP (RBP3 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human eye using 14352-1-AP (RBP3 antibody) at dilution of 1:50 (under 40x lens).



mouse eye tissue were subjected to SDS PAGE followed by western blot with 14352-1-AP (RBP3 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-RBP3 (IP:14352-1-AP, 4ug; Detection:14352-1-AP 1:400) with Y79 cells lysate 2000ug.