10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CRALBP RLBP1 Monoclonal Antibody
Catalog # ABO14649

Specification

Anti-CRALBP RLBP1 Monoclonal Antibody - Product Information

Application	**WB, IP**
Primary Accession	P12271
Host	**Rabbit**
Isotype	**Rabbit IgG**
Reactivity	**Rat, Mouse**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-CRALBP RLBP1 Monoclonal Antibody . Tested in WB, IP applications. This antibody reacts with Mouse, Rat.

Anti-CRALBP RLBP1 Monoclonal Antibody - Additional Information

Gene ID 6017

Other Names
Retinaldehyde-binding protein 1, Cellular retinaldehyde-binding protein, RLBP1, CRALBP

Application Details
WB 1:500-1:2000
IP 1:50

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human CRALBP Participates in the regeneration of active 11-cis-retinol and 11-cis-retinaldehyde, from the inactive 11-trans products of the rhodopsin photocycle and in the de novo synthesis of these retinoids from 11-trans metabolic precursors.

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

Anti-CRALBP RLBP1 Monoclonal Antibody - Protein Information

Name RLBP1

Synonyms CRALBP

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Function
Soluble retinoid carrier essential the proper function of both rod and cone photoreceptors. Participates in the regeneration of active 11-cis-retinol and 11-cis-retinaldehyde, from the inactive 11- trans products of the rhodopsin photocycle and in the de novo synthesis of these retinoids from 11-trans metabolic precursors. The cycling of retinoids between photoreceptor and adjacent pigment epithelium cells is known as the 'visual cycle'.

Cellular Location
Cytoplasm.

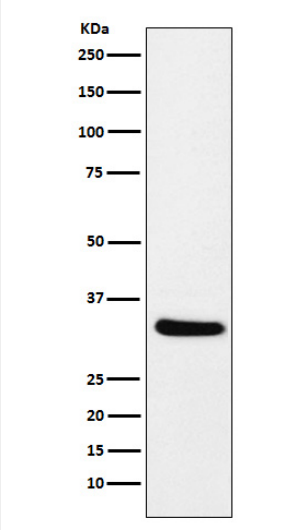
Tissue Location
Retina and pineal gland. Not present in photoreceptor cells but is expressed abundantly in the adjacent retinal pigment epithelium (RPE) and in the Mueller glial cells of the retina

Anti-CRALBP RLBP1 Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CRALBP RLBP1 Monoclonal Antibody - Images



Western blot analysis of CRALBP expression in mouse eyeball lysate.