

Anti-CRALBP RLBP1 Monoclonal Antibody

Catalog # ABO14649

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.

Additional Information

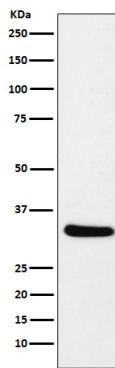
Gene ID	6017
Other Names	Retinaldehyde-binding protein 1, Cellular retinaldehyde-binding protein, RLBP1, CRALBP
Calculated MW	36474
Application Details	WB 1:500-1:2000 IP 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: AEFB-18
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.

Protein Information

Name	RLBP1
Synonyms	CRALBP

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

Images



Western blot analysis of CRALBP expression in mouse eyeball lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.