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RLBP1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21727b

Product Information

Application	WB, E
Primary Accession	P12271
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB49734
Calculated MW	36474

Additional Information

Gene ID	6017
Other Names	Retinaldehyde-binding protein 1, Cellular retinaldehyde-binding protein, RLBP1, CRALBP
Target/Specificity	This RLBP1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 255-288 amino acids from the C-terminal region of human RLBP1.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	RLBP1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

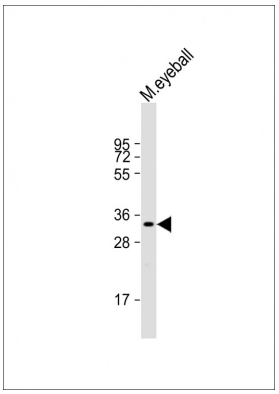
Background

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'.

References

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Intres R.,et al.J. Biol. Chem. 269:25411-25418(1994).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Crabb J.W.,et al.Protein Sci. 7:746-757(1998).

Images



Anti-RLBP1 Antibody (C-term) at 1:2000 dilution + mouse eyeball lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 36 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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