

For Research Use Only

CRB1 Polyclonal antibody

Catalog Number: 26598-1-AP



Basic Information

Catalog Number: 26598-1-AP	GenBank Accession Number: BC136271	Purification Method: Antigen affinity purification
Size: 800 µg/ml	GeneID (NCBI): 23418	Recommended Dilutions: IHC 1:50-1:500 IF 1:400-1:1600
Source: Rabbit	UNIPROT ID: P82279	
Isotype: IgG	Full Name: crumbs homolog 1 (Drosophila)	
Immunogen Catalog Number: AG24512	Calculated MW: 1406 aa, 154 kDa	
	Observed MW: 150 kDa	

Applications

Tested Applications: IHC, IF/ICC, ELISA	Positive Controls: IHC : mouse eye tissue, mouse brain tissue IF : SH-SY5Y cells,
Species Specificity: mouse, human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

CRB1, also known as protein crumbs homolog 1, is homologous to Drosophila Crumbs, a protein that is essential for establishing and maintaining apico-basal polarity in epithelia derived from the ectoderm (PMID: 2344615). CRB1 protein is a single transmembrane protein with a large extracellular part, containing three laminin A G domains and 19 epidermal growth-factor-like domains (PMID: 15494026, 18407265, 11734541). The expression of CRB1 is restricted to the retina and brain (PMID: 10508521). Mutations in CRB1 gene cause severe retinal dystrophies, ranging from retinitis pigmentosa (RP) to Leber congenital amaurosis (LCA) (PMID: 11734541).

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:

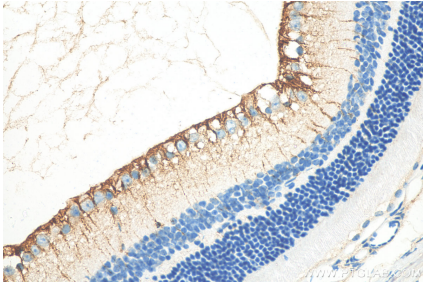
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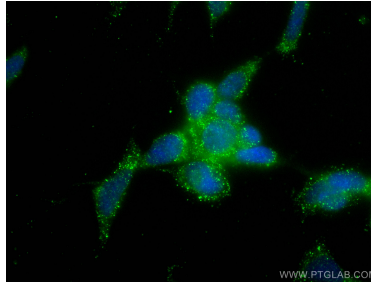
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse eye tissue slide using 26598-1-AP (CRB1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using CRB1 antibody (26598-1-AP) at dilution of 1:800 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).