

Datasheet for ABIN6719658 **anti-CRB1 antibody**



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Overview

Quantity:	100 µg
Target:	CRB1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CRB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-CRB1 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human CRB1, which shares 87.9% and 84.8% amino acid (aa) sequence identity with mouse and rat CRB1, respectively.
Sequence:	FRTRDANVII LHAEKEPEFL NISIQDSRLF FQLQ
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-CRB1 Antibody Picoband® (ABIN6719658). Tested in Flow Cytometry, IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: CRB1

Alternative Name: CRB1 ([CRB1 Products](#))

Background: Synonyms: Protein crumbs homolog 1, CRB1
Tissue Specificity: Preferential expression in retina, also expressed in brain, testis, fetal brain and fetal eye.
Background: Crumbs homolog 1 is a protein that in humans is encoded by the CRB1 gene. This gene encodes a protein which is similar to the Drosophila crumbs protein and localizes to the inner segment of mammalian photoreceptors. In Drosophila crumbs localizes to the stalk of the fly photoreceptor and may be a component of the molecular scaffold that controls proper development of polarity in the eye. Mutations in this gene are associated with a severe form of retinitis pigmentosa, RP12, and with Leber congenital amaurosis. Alternate splicing results in multiple transcript variants, some protein coding and some non-protein coding.

Molecular Weight: 154 kDa

Gene ID: 23418

UniProt: [P82279](#)

Pathways: [Notch Signaling](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human
Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human, Mouse, Rat
Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human
1. "Entrez Gene: CRB1 crumbs homolog 1 (Drosophila)". 2. den Hollander, A. I., Davis, J., van der Velde-Visser, S. D., Zonneveld, M. N., Pierrottet, C. O., Koenekoop, R. K., Kellner, U., van den Born, L. I., Heckenlively, J. R., Hoyng, C. B., Handford, P. A., Roepman, R., Cremers, F. P. M. CRB1 mutation spectrum in inherited retinal dystrophies. Hum. Mutat. 24: 355-369, 2004.

Comment: Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested. Optimal dilutions should be determined by end users.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.