

Product datasheet for **TA320165**

CRB2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	CRB2 antibody can be used for detection of CRB2 by Western blot at 1 µg/mL. Antibody validated: Western Blot in human, mouse, and rat samples. All other applications and species not yet tested.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Rabbit polyclonal CRB2 antibody was raised against a 17 amino acid peptide near the center of human CRB2.
Specificity:	At least three isoforms of CRB2 are known to exist; this antibody will detect all three. CRB2 antibody is predicted to not cross-react with other members of the CRB family.
Formulation:	CRB2 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	CRB2 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	141 kDa
Gene Name:	crumbs 2, cell polarity complex component
Database Link:	NP_775960 Entrez Gene 241324 Mouse Entrez Gene 286204 Human Q5IJ48



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Background:

CRB2 Antibody: CRB2 (Crumbs homolog 2), like its homologs CRB1 and CRB3, is similar to the *Drosophila* crumbs protein and is expressed in retina, brain and kidney. Along with other proteins, the Crumbs proteins form a complex that help set up cell polarity in developing neuroepithelial cells. At the onset of neural specification, embryonic stem cells (ESCs) upregulate CRB2, which then localizes apically in neural rosettes. Gain- and loss-of-function studies of CRB2 have shown that CRB2 is essential for the stabilization of other polarity proteins. Unlike CRB1, mutations in CRB2 do not appear to play a role in retinitis pigmentosa or in Leber congenital amaurosis.

Synonyms:

FSGS9; VMCKD

Protein Families:

Transmembrane