

Datasheet for 600-401-ANO**CRB2 Antibody****Overview**

Description:	Anti-CRB2 (RABBIT) Antibody - 600-401-ANO
Item No.:	600-401-ANO
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	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:	CRB2 Antibody, Protein crumbs homolog 2, Crumbs-like protein 2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CRB2
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti- CRB2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid peptide near the internal region of human CRB2.

Purity/Specificity: Anti-CRB2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. 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.

Relevant Links:

- [UniProtKB - Q5IJ48](#)
- [GeneID - 286204](#)
- [NCBI - NP_775960](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-CRB2 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 134 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000 - 1:20,000

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

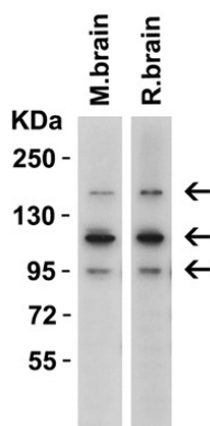
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



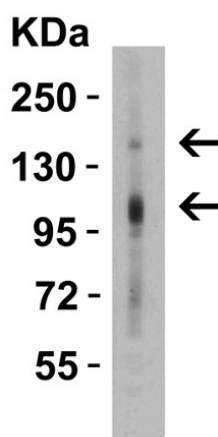
Western Blot

Western Blot of CRB2.

Load: 15µg of Mouse and Rat Brain tissue lysate.

Primary Antibody: CRB2 at 1 µg/mL for 1 h incubation at RT in 5% NFDm/TBST.

Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



Western Blot

Western Blot of CRB2.

Load: 15µg of Human Kidney tissue lysate.

Primary Antibody: CRB2 at 1 µg/mL for 1 h incubation at RT in 5% NFDm/TBST.

Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.