

Datasheet for 200-401-909**Rreb1 Antibody****Overview**

Description:	Anti-RREB1 (RABBIT) Antibody - 200-401-909
Item No.:	200-401-909
Size:	500 µg
Applications:	ELISA, WB
Reactivity:	Mouse
Host Species:	Rabbit

Product Details

Background:	This antibody is designed, produced, and validated as part of a collaboration between Rockland and the National Cancer Institute (NCI) and is suitable for Cancer, Neuroscience, and Signal Transduction research. RREB1 (also known as RAS-responsive element binding protein 1 and Raf responsive zinc finger protein) is a transcription factor that binds specifically to the distal RAS-responsive element (RRE) of gene promoters. May be involved in Ras/Raf-mediated cell differentiation by enhancing calcitonin expression.
Synonyms:	rabbit anti-RREB1 Antibody, rabbit anti-RREB 1 Antibody, FINB antibody, Finger protein in nuclear bodies antibody, LZ321 antibody, Raf responsive zinc finger protein LZ321 antibody, RAS responsive element binding protein 1 antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Rreb1
Reactivity:	Mouse
Immunogen Type:	Recombinant Protein
Immunogen:	Anti-RREB1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a recombinant protein corresponding to mouse RREB1 protein.

Purity/Specificity: Anti-RREB1 antibody is directed against the mouse RREB1 protein. The product was Protein A purified from monospecific antiserum by immunoaffinity purification. Reactivity against homologues from other sources is not known.

Relevant Links:

- [NCBI - AAX83010.1](#)
- [UniProtKB - Q3UH06](#)
- [GeneID - 68750](#)

Application Details

Tested Applications: ELISA, WB

Application Note: This Protein A purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a predominant band approximately 90-180 kDa in size corresponding to RREB1 by western blotting in the appropriate cell lysate or extract. Multiple bands seen in the above western blot may indicate cross-reactive isoforms or truncated protein products.

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

ELISA: 1:2,000 - 1:15,000

WB: 1:500 - 1:2,000

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/ml by UV absorbance at 280 nm

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: 0.01% (w/v) Sodium Azide

Stabilizer: None

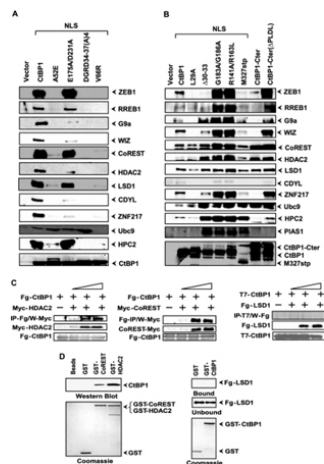
Shipping & Handling

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.

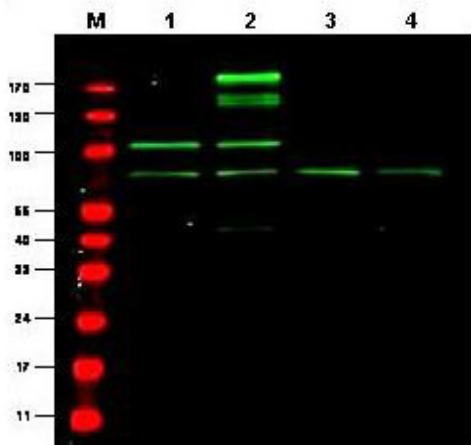
Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Protein complexes associated with CtBP1 mutants. (A and B) HeLa cells were transfected with Flag-CtBP1 (Fg-CtBP1) or mutants and immunoprecipitated (IP) with the Flag Ab, and the Western blots (W) were probed with the indicated Abs. Flag-CtBPs were detected by chemiluminescence. (C) The interaction of core constituents with CtBP1. HeLa cells were transfected with Flag-CtBP1 or T7-CtBP1 and increasing concentrations (1, 5, and 10 μ g) of Myc-HDAC2, Myc-CoREST, or Flag-LSD1, immunoprecipitated, and analyzed by Western blotting with the indicated Abs. (D) GST pull-down assays. Bacterially expressed His(6)-CtBP1 was incubated with GST, GST-HDAC2, or GST-CoREST, and the bound fractions were analyzed by Western blotting using CtBP1 Ab. Baculovirus-expressed Flag-LSD1 was incubated with GST or GST-CtBP1, and the bound and unbound fractions were analyzed by Western blotting using the Flag Ab. Fig 3. PMID: 17967884



Western Blot

Western blot using Rockland's Protein A Purified anti-RREB1 antibody shows detection of a predominant band believed to be RREB1 in various cell lysates (1 - HEK293, 2 - RFP-RREB transfected HEK293, 3 - M460 and 4 - T1165). All lysates were loaded at 20 μ g per lane and separated by SDS-PAGE. After transfer to nitrocellulose, the membrane was probed with the primary antibody diluted to 1:1,000. The membrane was washed and reacted with IRDye800 conjugated Gt-a-Rabbit IgG [H&L] MX (611-132-122). IRDye800 fluorescence image was captured using the Odyssey® Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Size estimation was made by comparison to prestained MW markers as indicated. Personal Communication, Shuling Zhang, CCR, NCI, Bethesda, MD.

References

- Kuppuswamy M et al. Role of the PLDLS-binding cleft region of CtBP1 in recruitment of core and auxiliary components of the corepressor complex. *Mol Cell Biol.* (2008)

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.