

Datasheet for 600-401-AQ9**CTNBL1 Antibody****Overview**

Description:	Anti-CTNBL1 (RABBIT) Antibody - 600-401-AQ9
Item No.:	600-401-AQ9
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The Beta-catenin-like protein 1 (CTNBL1) contains an acidic domain, a putative bipartite nuclear localization signal, a nuclear export signal, a leucine-isoleucine zipper, and phosphorylation motifs, as well as Armadillo/beta-catenin-like repeats. Transient expression of CTNBL1 resulted in translocation to the nucleus and apoptosis, suggesting it may be involved in the apoptotic pathway. CTNBL1 interacts with the Prp19 complex of the spliceosome and the Ig class switching enzyme activation-induced deaminase (AID) and had been suggested to play a role in antibody-diversification and class switching, but recent studies have shown CTNBL1 to be dispensable for Ig class switch recombination. Other studies have identified CTNBL1 as a novel gene for obesity.
Synonyms:	CTNBL1 Antibody, NAP, P14L, PP8304, C20orf33, dJ633O20.1, Beta-catenin-like protein 1, Nuclear-associated protein, NAP
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CTNBL1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-CTNNBL1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 20 amino acid synthetic peptide near the C-terminus of human CTNNBL1.
Purity/Specificity:	Anti-CTNNBL1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. CTNNBL1 antibody is predicted to not cross-react with other catenin family members. At least four isoforms of CTNNBL1 are known to exist; this antibody will detect all but isoform b.
Relevant Links:	• UniProtKB - Q8WYA6 • GeneID - 56259 • NCBI - NP_110517

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-CTNNBL1 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 65 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
IF:	20 µg/mL
IHC:	5 µg/mL
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

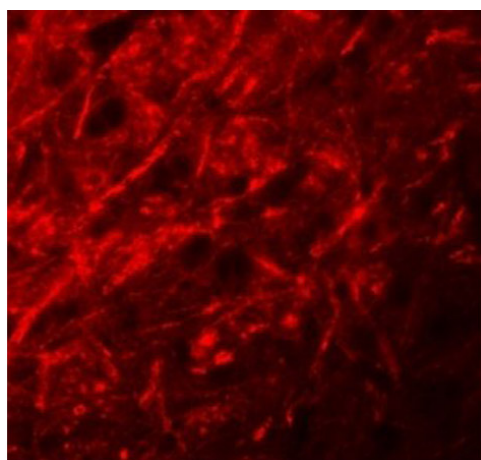
Shipping & Handling

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

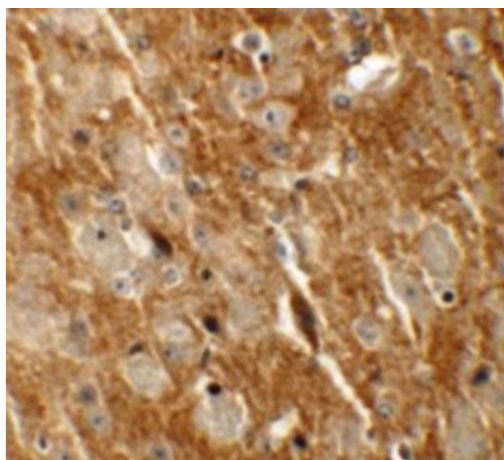


Immunofluorescence Microscopy

Immunofluorescence of CTNNBL1.

Tissue: mouse brain tissue.

Primary Antibody: CTNNBL1 antibody at 20 µg/mL.

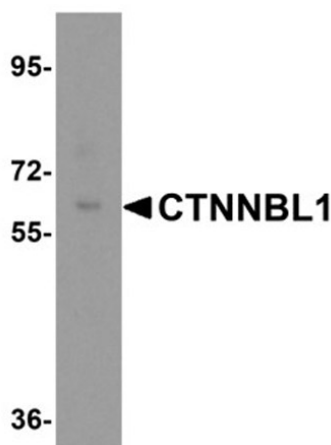


Immunohistochemistry

Immunohistochemistry of CTNNBL1.

Tissue: mouse brain tissue.

Primary Antibody: CTNNBL1 antibody at 5 µg/mL.

**Western Blot**

Western blot analysis of CTNNBL1.

Load: human brain tissue lysate.

Primary Antibody: CTNNBL1 antibody at 0.5 µg/mL.

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.