

Datasheet for 600-401-DX2**RC3H1 Antibody****Overview**

Description:	Anti-RC3H1 (RABBIT) Antibody - 600-401-DX2
Item No.:	600-401-DX2
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The ring finger protein RC3H1, also known as Roquin, is a highly conserved member of the RING type ubiquitin ligase protein family whose M199R mutation leads to the excessive production of follicular helper T cells and germinal centers in the sanroque strain of mice, a strain with excessive IL-21 production and high titers of autoantibodies. The complete loss of RC3H1 induces early death and immune deregulation but not autoimmunity in RC3H1-null mice, suggesting that the mutant RC3H1 is more disruptive to the immune system than its complete loss.
Synonyms:	RC3H1 Antibody, RNF198, ROQUIN, KIAA2025, RNF198, Roquin-1, RING finger and C3H zinc finger protein 1, Roquin
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RC3H1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti- RC3H1 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the C-terminus of human RC3H1.

Purity/Specificity:	Anti-RC3H1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least three isoforms of RC3H1 are known to exist; this antibody will detect all three isoforms.
Relevant Links:	• UniProtKB - Q5TC82 • GeneID - 149041 • NCBI - NP_742068

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-RC3H1 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 126 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:	User Optimized
IHC:	User Optimized
WB:	1-2 µg/mL

Formulation

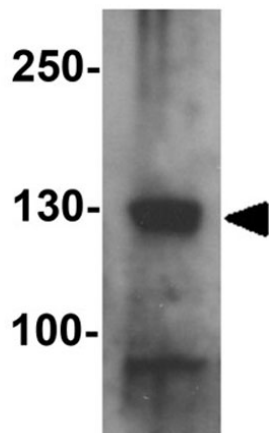
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

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:

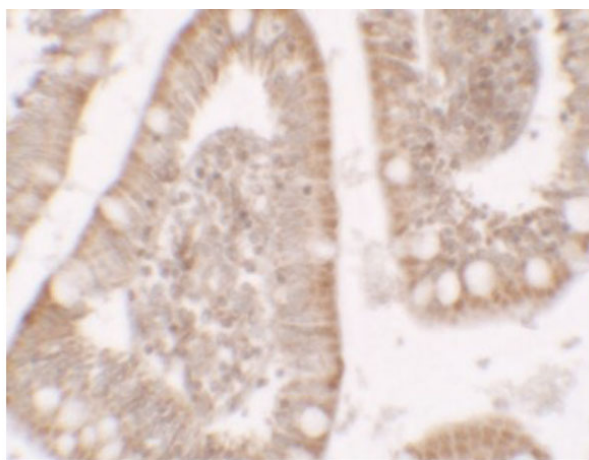
Expiration date is one (1) year from date of receipt.

Images**Western Blot**

Western blot analysis of RC3H1.

Load: HeLa cell lysate.

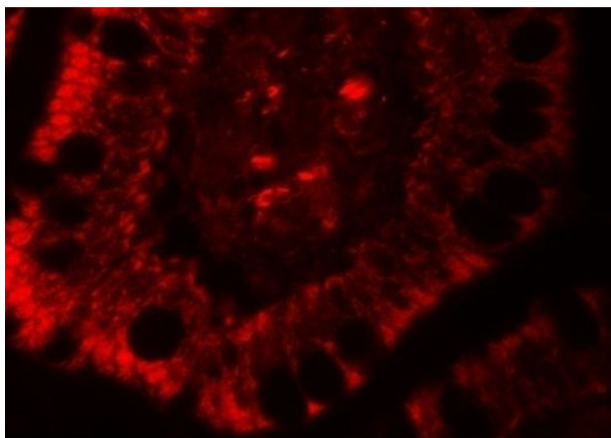
Primary Antibody: RC3H1 antibody at 1 μ g/mL.

**Immunohistochemistry**

Immunohistochemistry of RC3H1.

Tissue: human small intestine tissue.

Primary Antibody: RC3H1 antibody at 5 μ g/mL.

**Immunofluorescence Microscopy**

Immunofluorescence of RC3H1.

Tissue: human small intestine tissue.

Primary Antibody: RC3H1 antibody at 20 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.