

Anti-Roquin-1 RC3H1 Antibody

Catalog Number: A06498

About RC3H1

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.

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Overview

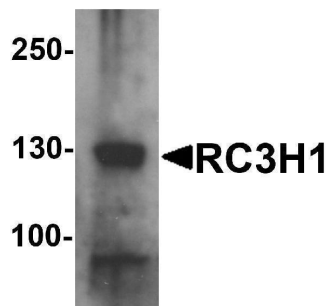
Product Name	Anti-Roquin-1 RC3H1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Roquin-1 RC3H1 Antibody (Catalog # A06498). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	RC3H1 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	RC3H1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q5TC82

Technical Details

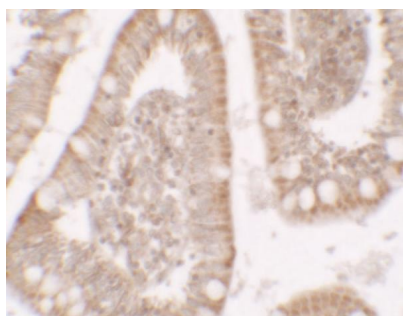
Immunogen	Rabbit polyclonal RC3H1 antibody was raised against an 18 amino acid peptide near the carboxy terminus of human RC3H1. The immunogen is located within amino acids 1040 - 1090 of RC3H1.
Predicted Reactive Species	Bovine, Rabbit
Cross Reactivity	At least three isoforms of RC3H1 are known to exist; this antibody will detect all three isoforms.
Isotype	IgG

Form	Liquid
Concentration	1 mg/mL
Purification	RC3H1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	RC3H1 antibody can be used for detection of RC3H1 by Western blot at 1 - 2 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

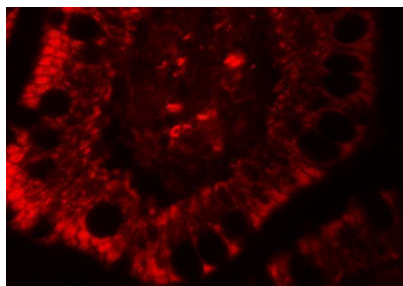
Anti-Roquin-1 RC3H1 Antibody (A06498) Images



Western blot analysis of RC3H1 in HeLa cell lysate with RC3H1 antibody at 1 ug/mL



Immunohistochemistry of RC3H1 in human small intestine tissue with RC3H1 antibody at 5 ug/ml.



Immunofluorescence of RC3H1 in human small intestine tissue with RC3H1 antibody at 20 ug/ml.

Anti-Roquin-1 RC3H1 Antibody

For Research Use Only. Not for use in diagnostic procedures.