

# Product Datasheet

## Roquin Antibody - BSA Free

### NB100-655

Unit Size: 100 ul

Store at 4C. Do not freeze.

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#### Publications: 8

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**NB100-655**

Roquin Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

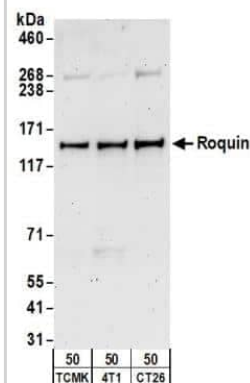
Product Description	
Host	Rabbit
Gene ID	149041
Gene Symbol	RC3H1
Species	Human, Mouse
Immunogen	The immunogen recognized by this antibody maps to a region between residues 500 and 550 of human Ring Finger and CCCH-type finder domains 1 using the numbering given in entry NP_742068.1 (GenelD 149041).

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:5000, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 2-5 ug/mg lysate
Application Notes	Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use. Use in ICC/IF reported in scientific literature (PMID: 20412057).

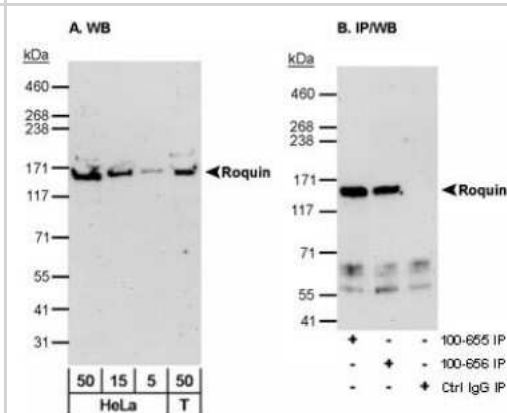


## Images

Western Blot: Roquin Antibody [NB100-655] - Detection of Mouse Roquin by Western Blot. Samples: Whole cell lysate (50 ug) from TCMK-1, 4T1, and CT26.WT cells. Antibodies: Affinity purified rabbit anti-Roquin antibody NB100-655 used for WB at 2 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Western Blot: Roquin Antibody [NB100-655] - Detection of human Roquin on HeLa whole cell lysate using NB100-655. Roquin was also immunoprecipitated using NB100-656 at 3 ug/mg lysate.



## Publications

Mukai Y, Yoshinaga T, Yoshikawa M et al. Induction of Endoplasmic Reticulum-Endosome Fusion for Antigen Cross-Presentation Induced by Poly ([gamma]-Glutamic Acid) Nanoparticles. *Journal of Immunology* (Baltimore, Md: 1950). 2011-11-16 [PMID: 22095716]

Khoronenkova S, Dianov G ATM prevents DSB formation by coordinating SSB repair and cell cycle progression. *Proc Natl Acad Sci U S A*, 2015-03-16;112(13):3997-4002. 2015-03-16 [PMID: 25775545]

Ramiscal RR, Parish IA, Lee-Young RS et al. Attenuation of AMPK signaling by ROQUIN promotes T follicular helper cell formation. *Elife* 2015-01-01 [PMID: 26496200]

Murakawa Y, Hinz M, Mothes J, Schuetz A. RC3H1 post-transcriptionally regulates A20 mRNA and modulates the activity of the IKK/NF-[kappa] B pathway. *NATURE COMMUNICATIONS*. 2015-07-14 [PMID: 26170170] (WB, Human)

Athanasopoulos V, Barker A, Yu D et al. The ROQUIN family of proteins localizes to stress granules via the ROQ domain and binds target mRNAs. *FEBS J*. 2010-05-01 [PMID: 20412057] (ICC/IF, Human)

Bertossi A, Aichinger M, Sansonetti P et al. Loss of Roquin induces early death and immune deregulation but not autoimmunity. *J Exp Med* 2011-08-01 [PMID: 21844204]

Kim HJ, Ji YR, Kim MO et al. The role of Roquin overexpression in the modulation of signaling during in vitro and ex vivo T-cell activation. *Biochemical and Biophysical Research Communications*. 2011-11-29 [PMID: 22155229]

Yan K, Cao Q, Reilly CM et al. Histone deacetylase 9 deficiency protects against effector T cell-mediated systemic autoimmunity. [PMID: 21708950]



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### **Products Related to NB100-655**

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NB800-PC1	HeLa Whole Cell Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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