

Product Datasheet

RB1CC1 Antibody NB100-77279

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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Publications: 4

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NB100-77279

RB1CC1 Antibody

Product Information	
Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA
Target Molecular Weight	183 kDa

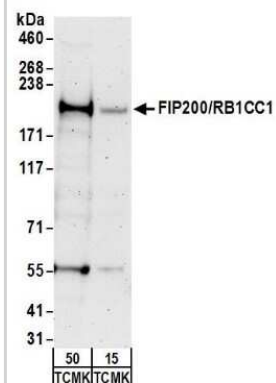
Product Description	
Description	Novus Biologicals Rabbit RB1CC1 Antibody (NB100-77279) is a polyclonal antibody validated for use in WB and IP. Anti-RB1CC1 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	9821
Gene Symbol	RB1CC1
Species	Human, Mouse
Immunogen	The immunogen recognized by this antibody maps to a region between residue 1544 and 1594 of human 200 kDa FAK family kinase-interacting protein (RB1-inducible coiled-coil 1) using the numbering given in entry NP_055596.2 (GeneID 9821).

Product Application Details	
Applications	Western Blot, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunoprecipitation 2-5 ug/mg lysate

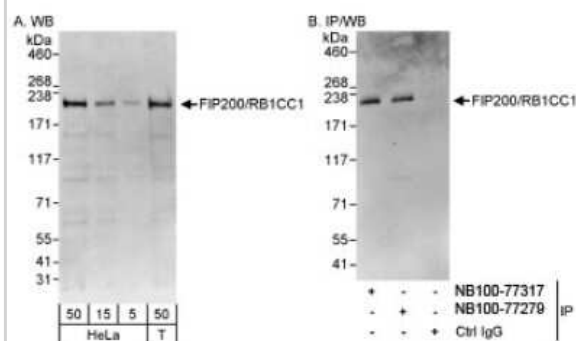


Images

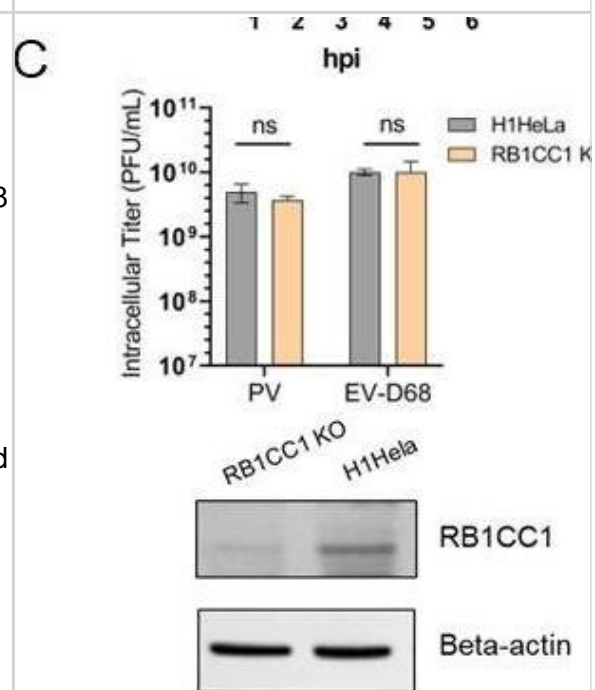
Western Blot: RB1CC1 Antibody [NB100-77279] - Detection of Mouse FIP200/RB1CC1 by Western Blot. Samples: Whole cell lysate from TCMK-1 (15 and 50 ug) cells. Antibodies: Affinity purified rabbit anti-FIP200/RB1CC1 antibody NB100-77279 used for WB at 0.2 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Western Blot: RB1CC1 Antibody [NB100-77279] - Detection of Human FIP200/RB1CC1 on HeLa whole cell lysate using NB100-77279. FIP200/RB1CC1 was also immunoprecipitated by rabbit anti-FIP200/RB1CC1 antibody NB100-77317.



EV-D68 and PV display similarities in virus production kinetics and interaction with canonical autophagy players. (A) Titers of both cell-associated and extracellular PV and EV-D68 from a time course of infection. H1HeLa cells were infected at an MOI of 20. Intracellular and extracellular virus samples were collected at each hour post-infection. Viral titers were analyzed by plaque assay. (B) Impact of enterovirus D68 and poliovirus on host autophagy markers. H1HeLa cells were either untreated/mock (M) or infected with PV or EV-D68 at an MOI of 20 for 6 h, and samples were collected every hour during infection. Samples were subjected to western blot analysis for traditional autophagy markers: LC3B, p62(SQSTM1), and its Cp (cleavage product). Viral marker: VP3 (virus structural capsid protein 3). Beta-actin served as a loading control. (C–E) Intracellular EV-D68 and PV titers produced in parental H1HeLa versus KO cell lines. H1HeLa WT or KOs were infected with PV or EV-D68 at an MOI of 20 for 6 h. Viral titers were analyzed by plaque assay. KO cell lines represented: RB1CC1 KO (C), PI3K3 KO (D), and ATG7 KO(E), respectively. Unpaired Student's t test was used for the statistical analysis (**P < 0.01; *P < 0.05; ns = not significant). The efficiency of KOs was assessed by western blot and the parental H1HeLa cell line (WT) was used as a control. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/37819109>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Galitska G, Jassey A, Wagner MA et Al. Enterovirus D68 capsid formation and stability requires acidic compartments
mBio 2023-01-01 [PMID: 37819109]

Thomas HE, Zhang Y, Stefely JA et al. Mitochondrial Complex I Activity Is Required for Maximal Autophagy Cell Rep
2018-08-28 [PMID: 30157433] (WB, Human)

Brennan LA, Kantorow WL, Chauss D et al. Spatial expression patterns of autophagy genes in the eye lens and
induction of autophagy in lens cells. Mol Vis 2012-01-01 [PMID: 22815631]

Hwa Jung et al. Mol.Biol.Cell 20 (7):1992-2003. 2009-01-01 [PMID: 19225151]





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Products Related to NB100-77279

NBL1-15184	RB1CC1 Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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