

Product Datasheet

RFC4 Antibody - BSA Free NB100-233

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NB100-233

RFC4 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)
Target Molecular Weight	40 kDa

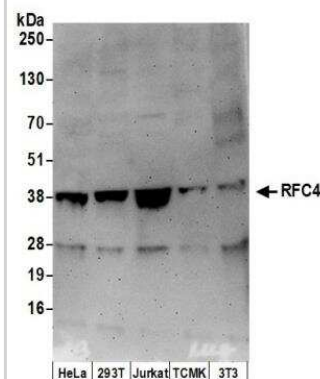
Product Description	
Description	Novus Biologicals Goat RFC4 Antibody - BSA Free (NB100-233) is a polyclonal antibody validated for use in WB. Anti-RFC4 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	5984
Gene Symbol	RFC4
Species	Human, Mouse
Immunogen	The immunogen recognized by this antibody maps to a region between residues 300 and 350 of human Replication Factor C subunit 4 using the numbering given in entry NP_002907.1 (GeneID 5984).

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1:500 -1:2500

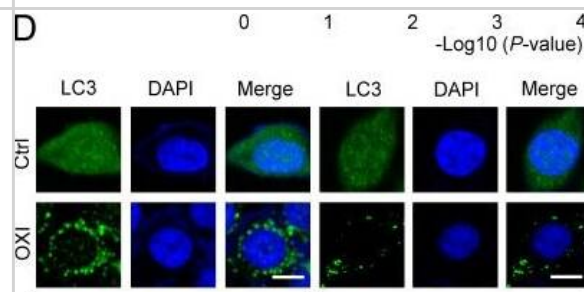


Images

Western Blot: RFC4 Antibody [NB100-233] - Detection of Human and Mouse RFC4 by Western Blot. Samples: Whole cell lysate (50 ug) from HeLa, 293T, Jurkat, mouse TCMK-1, and mouse NIH3T3 cells prepared using NETN lysis buffer. Antibodies: Affinity purified goat anti-RFC4 antibody NB100-233 used for WB at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



OXI initiates autophagy and inhibits fusion of autophagosome and lysosome in CRC cells. (A) Normalized intensity values of upregulated and downregulated proteins in HCT116 cells treated with OXI (30 μ M) were shown in heat map. (B) KEGG pathway and GO analyses of changed proteins in A. (C) Western blotting analysis of LC3 turnover, ATG5 and Beclin1 protein levels in OXI-treated CRC cells. (D) LC3 puncta in RKO and HCT116 cells were detected by immunofluorescent analysis after treatment of DMSO or OXI (30 μ M). (E) Quantification of LC3 puncta. Scale bars, 10 μ m. (F) Western blotting analysis of LC3 turnover in HCT116 and RKO cells transfected with siATG5 or siScramble and treated with OXI (30 μ M). (G) Western blotting analysis of LC3 turnover, p62 and ubiquitinated proteins in HCT116 and RKO cells treated with OXI (30 μ M) in combination with CQ (10 μ M) for 24 h. (H) IF analysis of HCT116 and RKO cells transfected with the tandem mRFP-GFP-tagged LC3B plasmids and treated with OXI (30 μ M). Scale bars, 10 μ m. (I) Quantification of the ratio of yellow puncta (autophagosome) versus red puncta (autolysosome). (J) The expression of LC3 in xenografts was evaluated by IHC. Scale bar: 50 μ m. All data are means \pm SD. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35813474>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

McCabe M, Bhattacharyya R, Sereda R et al. Small molecule disruption of RAR α /NCoR1 interaction inhibits chaperone-mediated autophagy in cancer. *EMBO Molecular Medicine* 2025-06-09 [PMID: 40490560]

Shi J, Zhou L, Huang HS et al. Repurposing Oxiconazole against Colorectal Cancer via PRDX2-mediated Autophagy Arrest *International Journal of Biological Sciences* 2022-05-21 [PMID: 35813474]

Ostalska-Nowicka D, Malinska A, Zabel M et al. Nephrotic syndrome unfavorable course correlates with downregulation of podocyte vascular endothelial growth factor receptor (VEGFR)-2. *Folia Histochem Cytobiol*;49 (3):472-8. 2011-01-01 [PMID: 22038228]

Ashkenazi A, Bento CF, Ricketts T et al. Polyglutamine tracts regulate beclin 1-dependent autophagy. *Nature*. 2017-04-26 [PMID: 28445460]

Jiang J, Zhang L, Chen H et al. Regorafenib induces lethal autophagy arrest by stabilizing PSAT1 in glioblastoma *Autophagy* 2019-03-25 [PMID: 30909789] (WB, Human)

Wang K, Zhang T, Lei Y et al. Identification of ANXA2 (annexin A2) as a specific bleomycin target to induce pulmonary fibrosis by impeding TFEB-mediated autophagic flux *Autophagy*. 2017-11-26 [PMID: 29172997] (Human)



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Products Related to NB100-233

NBL1-15294	RFC4 Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat 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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