

Product Datasheet

RIPK3/RIP3 Antibody - BSA Free NBP2-24588

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 27

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-24588

Updated 10/23/2024 v.20.1

**Earn rewards for product
reviews and publications.**

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-24588



NBP2-24588

RIPK3/RIP3 Antibody - BSA Free

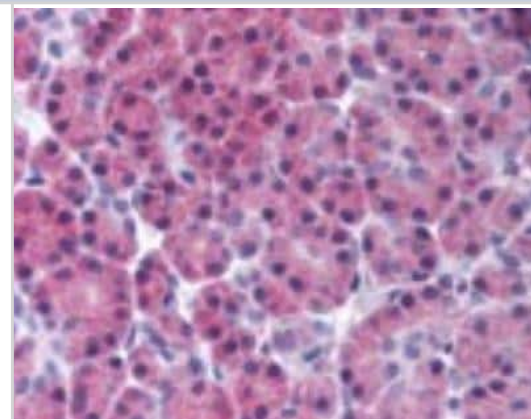
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	0.1 ml PBS
Target Molecular Weight	56.7 kDa

Product Description	
Host	Rabbit
Gene ID	11035
Gene Symbol	RIPK3
Species	Human, Primate, Mouse (Negative)
Reactivity Notes	Chimpanzee (100%). This antibody is not suitable for testing of mouse RIP3. Human reactivity reported in multiple pieces of scientific literature.
Immunogen	RIPK3/RIP3 Antibody was made to a synthetic peptide (QEGPKDPEAWSRPQ) corresponding to amino acids 497-518 of human RIPK3/RIP3 was used as immunogen for this antibody (isoform CRA_a, 518 amino acids, NP_006862.2). This also corresponds to amino acids 298-311 of isoform CRA_b (GenBank: EAW66022.1).

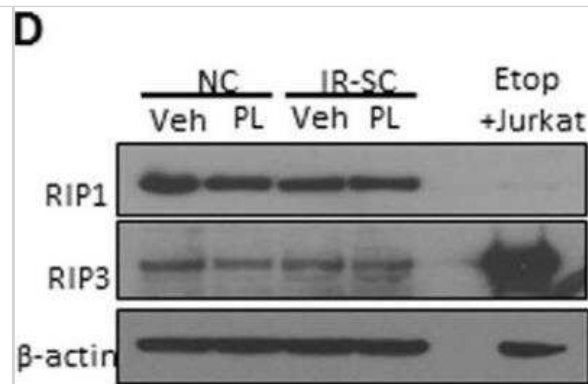
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 3-7 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:20-1:500, Immunoprecipitation, Immunohistochemistry-Paraffin 10 ug/ml
Application Notes	Use in Immunoprecipitation reported in scientific literature. Use in Western Blot reported in multiple pieces of scientific literature.

Images

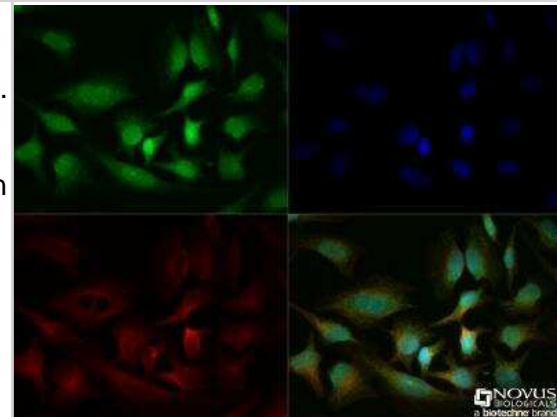
Immunohistochemistry-Paraffin: RIPK3/RIP3 Antibody [NBP2-24588] - Analysis of RIP3 using polyclonal RIPK3/RIP3 Antibody [NBP2-24588]. Human pancreas probed with RIPK3/RIP3 antibody at 10 ug/ml.



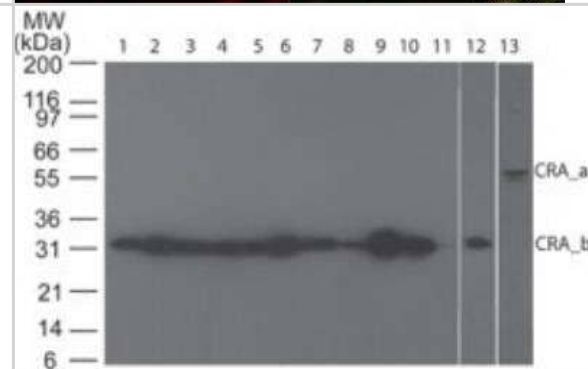
Western Blot: RIPK3/RIP3 Antibody [NBP2-24588] - Representative western blot analysis of RIP1, RIPK3/RIP3, and beta-actin in WI-38 NCs and IR-SCs 24 h after incubation with Veh or 10 μ M PL. A cell lysate of etoposide-treated Jurkat cells was used as a positive control. Image collected and cropped by CiteAb from the following publication (<https://www.aging-us.com/article/101100/text>) licensed under a CC-BY license.



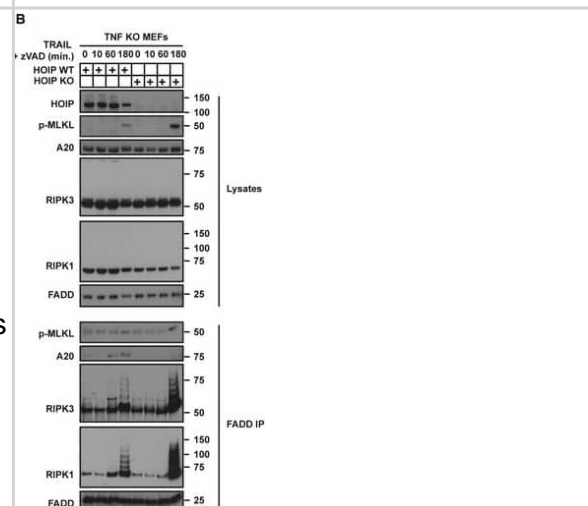
Immunocytochemistry/Immunofluorescence: RIPK3/RIP3 Antibody [NBP2-24588] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with RIPK3/RIP3 Antibody [NBP2-24588] at a 1:200 dilution overnight at 4C and detected with DyLight 488 (Green) at a 1:500 dilution. Alpha tubulin was used at a 1:1000 dilution as a co-stain and detected with DyLight 550 (Red) at a 1:500 dilution. Nuclei were detected with DAPI (Blue) at 2.0 μ g/ml in 1X PBS. Cells were imaged using a 40X objective.



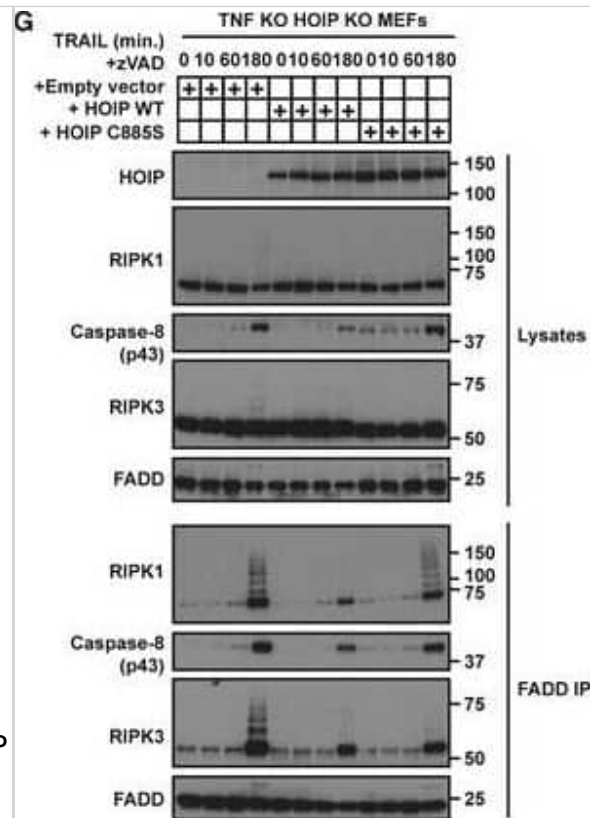
Western Blot: RIPK3/RIP3 Antibody [NBP2-24588] - Analysis of RIP3 using polyclonal RIPK3/RIP3 antibody [NBP2-24588]. Human tissue blot probed with 5 μ g/ml of RIP3 antibody: 1) brain, 2) heart, 3) small intestine, 4) kidney, 5) liver, 6) lung, 7) skeletal muscle, 8) stomach, 9) spleen, 10) ovary, 11) testis, 12) placenta probed at 5 μ g/ml, 13) Ramos cell lysate probed at 7 μ g/ml. Theoretical molecular weight 56.7 kDa.



Western Blot: RIPK3/RIP3 Antibody - BSA Free [NBP2-24588] - HOIP limits the activity of TRAIL-induced apoptosis & necroptosis mediating signalling complexes Control & HOIP KO HeLa cells were treated with FLAG-TRAIL (500 ng/ml) for the indicated times. The TRAIL complex I was immunoprecipitated via anti-FLAG beads. Complex II was isolated by immunoprecipitating caspase-8 from complex I-depleted lysates. Western blot was performed using the indicated antibodies. * indicates unspecific bands. WT & HOIP-deficient TNF KO MEFs, pre-treated for 1 h with zVAD, were stimulated with z-TRAIL (1 μ g/ml) for the indicated times. FADD-containing complexes were immunoprecipitated & analysed by Western blot. Data information: See also Fig EV2. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/28258062>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Western Blot: RIPK3/RIP3 Antibody - BSA Free [NBP2-24588] - The catalytic activity of HOIP contributes to preventing TRAIL-induced apoptosis but is dispensable for preventing necroptosis. Lysates from control or HOIP KO K562 cells reconstituted w/ empty vector, HOIP WT or HOIP C885S analysed by WB. HOIP KO K562 cells reconstituted w/ empty vector, HOIP WT or HOIP C885S, pre-treated w/ zVAD and/or Nec-1s for 1 h as indicated, treated w/ iz-TRAIL (1 µg/ml) for 24 h. Percentage of cell death determined by flow cytometry after PI labelling (n = 5; mean ± SEM). *P < 0.05, **P < 0.01; statistics performed using ANOVA. Control & HOIP KO K562 cells reconstituted w/ empty vector, HOIP WT or HOIP C885S treated w/ iz-TRAIL (100 ng/ml) for the indicated times. Lysates analysed w/ the indicated antibodies. Lysates from TNF KO HOIP KO MEFs reconstituted w/ empty vector, HOIP WT or HOIP C885S analysed by WB. TNF KO HOIP KO MEFs reconstituted w/ empty vector, HOIP WT or HOIP C885S, pre-treated w/ zVAD & Nec-1s for 1 h as indicated, treated w/ iz-TRAIL (1 µg/ml) for 24 h. Percentage of cell death determined by flow cytometry after PI labelling (n = 4; mean ± SEM). *P < 0.05, ***P < 0.001; statistics performed using ANOVA. TNF KO HOIP KO MEFs reconstituted w/ empty vector, pre-treated w/ zVAD and/or the RIPK3 inhibitor GSK'872 for 1 h as indicated, treated w/ iz-TRAIL (1 µg/ml) for 24 h. Percentage of cell death determined by flow cytometry after PI labelling (n = 3; mean ± SEM). *P < 0.05; statistics performed using t-test. TNF KO HOIP KO MEFs reconstituted w/ empty vector, HOIP WT or HOIP C885S, pre-treated w/ zVAD for 1 h, treated w/ iz-TRAIL (1 µg/ml) for the indicated times. FADD-containing complexes immunoprecipitated & analysed by WB. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/28258062>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Mall R, Bynigeri RR, Karki R et al. Pancancer transcriptomic profiling identifies key PANoptosis markers as therapeutic targets for oncology NAR cancer 2022-12-01 [PMID: 36329783] (WB)

Kupka S. Regulation of the TNFR1-signalling complex by LUBAC and associated deubiquitinases Cell Death Differ 2020-04-02 [PMID: 32231246]

Binks AWD. The role of immunogenic cell death in oncolytic herpes simplex virus-1 infection of cancer cells Int J Mol Sci 2022-05-14 [PMID: 35563257]

Feoktistova M, Makarov R, Yazdi AS, Panayotova-Dimitrova D RIPK1 and TRADD Regulate TNF-Induced Signaling and Ripoptosome Formation International journal of molecular sciences 2021-11-18 [PMID: 34830347] (WB, Human)

Malireddi RKS, Karki R, Sundaram B et al. Inflammatory Cell Death, PANoptosis, Mediated by Cytokines in Diverse Cancer Lineages Inhibits Tumor Growth ImmunoHorizons 2021-07-21 [PMID: 34290111] (WB)

Liccardi G, Ramos Garcia L et al. RIPK1 and Caspase-8 Ensure Chromosome Stability Independently of Their Role in Cell Death and Inflammation. Mol Cell 2019-07-02 [PMID: 30598363] (PLA, Mouse)

Coordinated Ubiquitination and Phosphorylation of RIP1 Regulates Necroptotic Cell Death de Almagro MC, Goncharov T, Izrael-Tomasevic A et al. Cell Death Differ. [PMID: 27518435] (WB, Human)

Shrestha A, Mehdizadeh Gohari I, McClane BA RIP1, RIP3, and MLKL Contribute to Cell Death Caused by Clostridium perfringens Enterotoxin mBio 2019-12-17 [PMID: 31848291] (WB, Human)

Zinngrebe J, Schlichtig F, Kraus JM et al. Biomarker Profile for Prediction of Response to SMAC Mimetic Monotherapy in Pediatric Precursor B-Cell Acute Lymphoblastic Leukemia Int. J. Cancer 2019-11-20 [PMID: 31749151] (WB, Human)

DeSisto J, O'Rourke R, Bonney S et al. DPS-2: A Novel Dual MEK/ERK and PI3K/AKT Pathway Inhibitor with Powerful Ex Vivo and In Vivo Anticancer Properties Transl Oncol 2019-05-13 [PMID: 31096110] (WB, Human)

Podder B, Gutta C, Rozanc J et al. TAK1 suppresses RIPK1-dependent cell death and is associated with disease progression in melanoma Cell Death Differ. 2019-03-08 [PMID: 30850732] (WB, Human)

Yang L, Joseph S, Sun T et al. TAK1 regulates endothelial cell necroptosis and tumor metastasis. Cell Death Differ. 2019-01-25 [PMID: 30683914] (Human)

More publications at <http://www.novusbio.com/NBP2-24588>





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-24588

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00011035-P01-25ug	Recombinant Human RIPK3/RIP3 GST (N-Term) Protein

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-24588

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

