

Product Datasheet

RAB27B Antibody - BSA Free

NBP1-79631

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-79631

Updated 2/21/2025 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/NBP1-79631



NBP1-79631

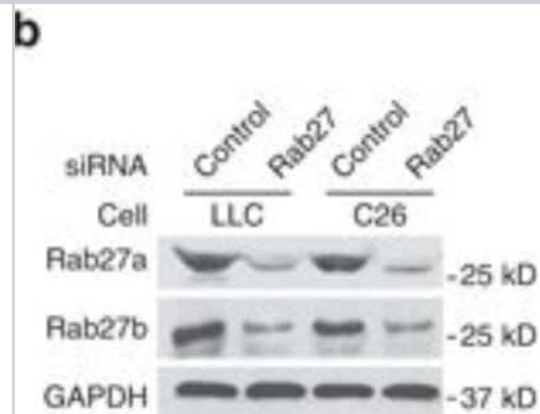
RAB27B Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS, 2% Sucrose
Target Molecular Weight	24 kDa
Product Description	
Description	The addition of 50% glycerol is optional for those storing this antibody at -20C and not aliquoting smaller units. However, please note that glycerol may interrupt some downstream antibody applications and should be added with caution.
Host	Rabbit
Gene ID	5874
Gene Symbol	RAB27B
Species	Human, Mouse
Immunogen	The immunogen for this antibody is Rab27b. Peptide sequence YCENPDIVLIGNKADLPDQREVNERQARELAEKYGIPYFETSAATGQNVE. The peptide sequence for this immunogen was taken from within the described region.
Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1.0 ug/ml

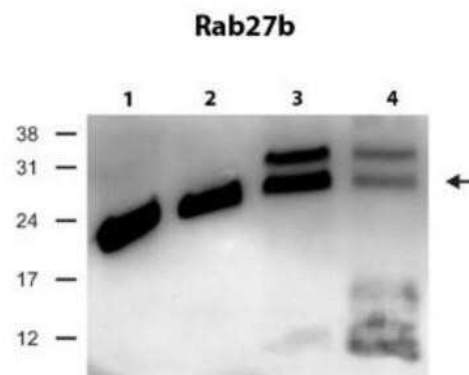


Images

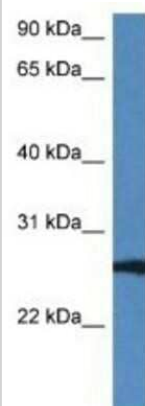
Western Blot: RAB27B Antibody [NBP1-79631] - Tumor cell-released Hsp70/90-expressing EVs induce muscle catabolism in myotubes. Hsp70/90 release by cachexia-inducing tumor cells is dependent on EV release. Rab27a and Rab27b were knocked down by transfecting LLC and C26 cells with control or specific siRNAs. EVs and Hsp70/90 released into conditioned media were quantified after Brij98 treatment. EVs were quantified by AchE. Data (n=?3) were analyzed by Student t-test. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41467-017-00726-x>) licensed under a CC-BY license.



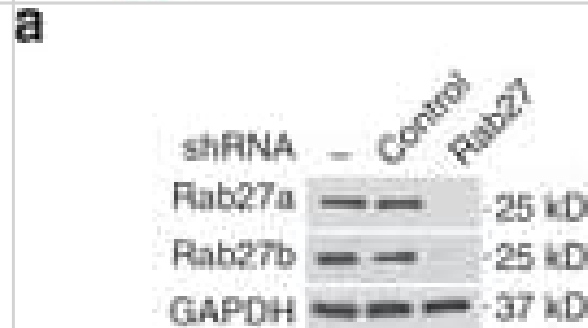
Western Blot: RAB27B Antibody [NBP1-79631] - Rab27b Antibody Titration: 0.5 ug/ml Positive Control: human testis, mouse liver, brain and testis



Western Blot: RAB27B Antibody [NBP1-79631] - Mouse Heart Lysate 1ug/ml Gel Concentration 12%



Western Blot: RAB27B Antibody [NBP1-79631] - Tumor cell-released Hsp70/90-expressing EVs are critical to the development of muscle wasting in mice. a Elevation of serum Hsp70/90 in LLC tumor-bearing mice is dependent on EV release. LLC cells transduced with lentivirus encoding Rab27a- & Rab27b-specific shRNA or empty vector were analyzed for knockdown effect by western blotting (top). Mice were then implanted with Rab27-deficient or control LLC cells. In 21 days serum levels of EVs, Hsp70/90 were analyzed. b Rab27-deficient LLC tumor does not induce muscle catabolism in mice. Mice derived from a were analyzed for activity of the catabolic markers in TA. c Rab27-deficient LLC tumor does not induce muscle wasting in mice. Mice derived from a were analyzed for muscle wasting. Scale bar, 100 μ m. Data (n = 6) were analyzed by analysis of variance or χ^2 analysis (for CSA). * denotes a difference ($P < 0.05$) Image collected & cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41467-017-00726-x>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Liu Z, Xiong J, Gao S et al. Ameliorating cancer cachexia by inhibiting cancer cell release of Hsp70 and Hsp90 with omeprazole Journal of Cachexia, Sarcopenia and Muscle 2022-02-01 [PMID: 34729960] (Western Blot, Block/Neutralize)

Gargiulo E, Viry E, Morande PE et al. Extracellular Vesicle Secretion by Leukemia Cells In Vivo Promotes CLL Progression by Hampering Antitumor T-cell Responses Blood Cancer Discovery 2023-01-06 [PMID: 36108149] (Western Blot)

Zhang G, Liu Z, Ding H et al. Tumor induces muscle wasting in mice through releasing extracellular Hsp70 and Hsp90 Nat Commun 2017-09-19 [PMID: 28928431] (WB, Mouse)





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 NBP1-79631

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-50947-0.1mg	Recombinant Human RAB27B His 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/NBP1-79631

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

