

Product Datasheet

ROCK1 Antibody - BSA Free

NB100-624

Unit Size: 100 ul

Store at 4C. Do not freeze.

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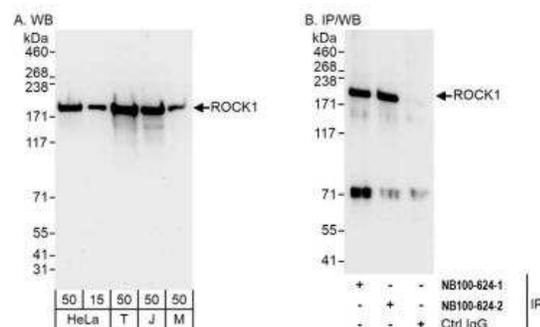
Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

Product Description	
Host	Rabbit
Gene ID	6093
Gene Symbol	ROCK1
Species	Human, Mouse
Specificity/Sensitivity	NB100-624 is specific for human Rho Kinase Beta protein.
Immunogen	The immunogen recognized by this antibody maps to a region between residue 1300 and the C-terminus (residue 1354) of human Rho-associated, coiled-coil containing protein kinase 1 using the numbering given in Swiss-Prot entry Q13464 (GeneID 6093).

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:5000-1:15000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 2-5 ug/mg lysate, Immunohistochemistry-Paraffin
Application Notes	Use in IHC, IHC-P and ICC/IF reported in scientific literature (PMID 24324133).

Images

Western Blot: ROCK1 Antibody [NB100-624] - Detection of human and mouse ROCK1 by western blot and immunoprecipitation. Samples: Whole cell lysate from HeLa (15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 ug), Jurkat (J; 50 ug) and mouse NIH 3T3 (M; 50 ug) cells. Antibodies: Affinity purified rabbit anti-ROCK1 antibody NB100-624 (lot NB100-624-2) used for WB at 0.04 ug/ml (A) and 1 ug/ml (B) and used for IP at 6 ug/mg lysate. ROCK1 was also immunoprecipitated by a previous lot (lot NB100-624-1) of this antibody. Detection: Chemiluminescence with exposure times of 10 seconds (A) and 1 second (B).



Publications

Ebhardt HA, Degen S, Tadini V et al. Comprehensive proteome analysis of human skeletal muscle in cachexia and sarcopenia: A pilot study. *J Cachexia Sarcopenia Muscle*. 2017-03-15 [PMID: 28296247] (WB, Human)

Gilkes DM, Xiang L, Lee SJ et al. Hypoxia-inducible factors mediate coordinated RhoA-ROCK1 expression and signaling in breast cancer cells. *Proc Natl Acad Sci U S A* 2014-01-21 [PMID: 24324133] (WB, IHC-P, ICC/IF, IF/IHC, Human)

Chang J, Xie M, Shah VR et al. Activation of Rho-associated coiled-coil protein kinase 1 (ROCK-1) by caspase-3 cleavage plays an essential role in cardiac myocyte apoptosis. *Proc Natl Acad Sci U S A* 2006-09-01 [PMID: 16983089]





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 NB100-624

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-13244PEP	ROCK1 Recombinant Protein Antigen

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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