

# Product Datasheet

## ROCK1 Antibody - BSA Free

### NB100-624

Unit Size: 100 ul

Store at 4C. Do not freeze.

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**NB100-624**

ROCK1 Antibody - BSA Free

**Product Information**

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

**Product Description**

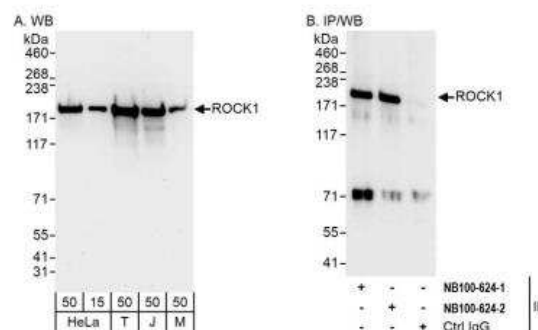
<b>Host</b>	Rabbit
<b>Gene ID</b>	6093
<b>Gene Symbol</b>	ROCK1
<b>Species</b>	Human, Mouse
<b>Specificity/Sensitivity</b>	NB100-624 is specific for human Rho Kinase Beta protein.
<b>Immunogen</b>	The immunogen recognized by this antibody maps to a region between residue 1300 and the C-terminus (residue 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**

<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:5000-1:15000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 2-5 ug/mg lysate, Immunohistochemistry-Paraffin
<b>Application Notes</b>	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]





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### **Products Related to NB100-624**

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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

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### **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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