

Product Datasheet

cleaved ROCK1 Antibody

NB100-56596SS

Unit Size: 0.025 mg

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

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Publications: 3

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NB100-56596SS

cleaved ROCK1 Antibody (154C1465)

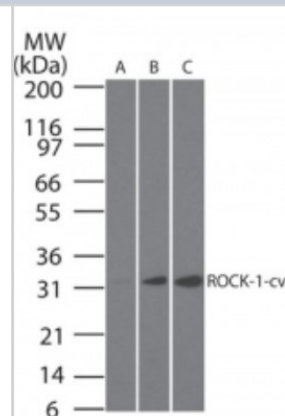
Product Information	
Unit Size	0.025 mg
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	154C1465
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein G purified
Buffer	PBS containing 0.05% BSA

Product Description	
Host	Mouse
Gene ID	6093
Gene Symbol	ROCK1
Species	Human, Mouse, Rat, Canine, Primate, Rabbit
Species Reactivity	Cross reacts with Chimpanzee, Dog, Human, Mouse, Rabbit and Rat.
Specificity/Sensitivity	This mAb recognizes the cleaved C-terminus of ROCK-1. It does not recognize the full-length protein. Since ROCK-1 is cleaved by caspase-3 during apoptosis, this may be used for detection of apoptosis.
Immunogen	This antibody was generated by immunizing mice with a synthetic peptide sequence corresponding to amino acids 1114-1126 GNLPE S RIEGWLS of human ROCK-1. This sequence is 100% conserved between human, chimpanzee, mouse, rat, dog, and rabbit. This immunogen peptide sequence is adjacent to the caspase-3 cleavage site of ROCK-1.

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1-2 ug/ml

Images

Western Blot: cleaved ROCK1 Antibody (154C1465) [NB100-56596] - Analysis of cleaved ROCK-1 in A) untreated, B) 1 hour and C) 4 hour staurosporin-treated (2 uM) Jurkat cells using this antibody. Goat anti-mouse Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.



Publications

Orlando KA, Pittman RN. Rho kinase regulates phagocytosis, surface expression of GlcNAc, and Golgi fragmentation of apoptotic PC12 cells. *Exp Cell Res.* 2006 Oct 15 [PMID: 16904666]

Orlando KA, Stone NL, Pittman RN. Rho kinase regulates fragmentation and phagocytosis of apoptotic cells. *Exp Cell Res.* 2006 Jan 1 [PMID: 16259978]

Zhao H, Miller M, Pfeiffer K et al. Anoxia and reoxygenation of human endothelial cells decrease ceramide glucosyltransferase expression and activates caspases. *FASEB J.* 2003 Apr [PMID: 12586734]





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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.

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

