

Product Datasheet

SMURF1 Antibody (1D7) - Azide and BSA Free H00057154-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00057154-M01

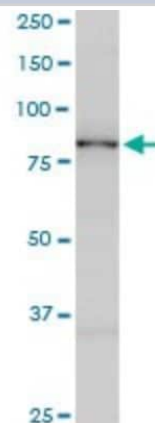
SMURF1 Antibody (1D7) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1D7
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Host	Mouse
Gene ID	57154
Gene Symbol	SMURF1
Species	Human, Mouse, Rat
Specificity/Sensitivity	SMURF1 (1D7)
Immunogen	SMURF1 (NP_065162, 165 a.a. ~ 268 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. DSGPGRPLSCFMEEPAPYTDSTGAAAGGGNCRFVESPSQDQRLQAQRLRNP DVRGSLQTPQNRPHGHQSPELPEGYEQRTTVQGQVYFLHTQTGVSTWHDPRIP
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	Antibody reactive against cell lysate and recombinant protein for Western Blot. Has also been used for immunofluorescence, immunohistochemistry (paraffin), and ELISA.

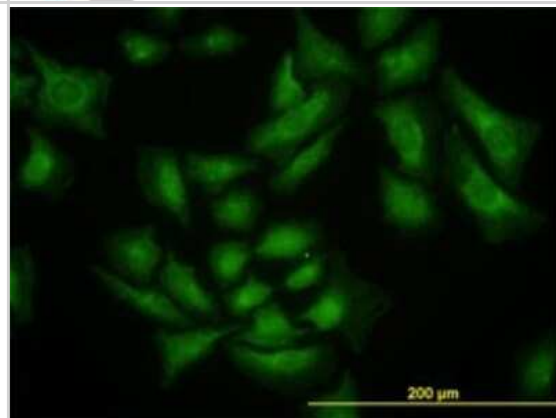


Images

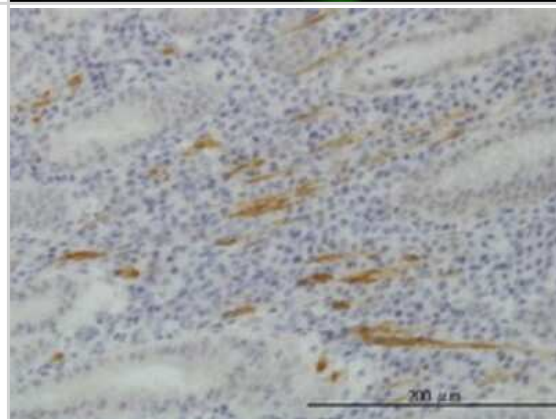
Western Blot: SMURF1 Antibody (1D7) [H00057154-M01] - SMURF1 monoclonal antibody (M01), clone 1D7. Analysis of SMURF1 expression in HepG2.



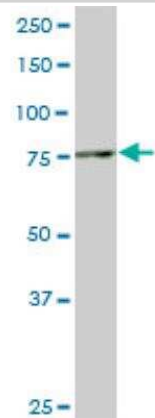
Immunocytochemistry/Immunofluorescence: SMURF1 Antibody (1D7) [H00057154-M01] - Analysis of monoclonal antibody to SMURF1 on HeLa cell. Antibody concentration 10 ug/ml.



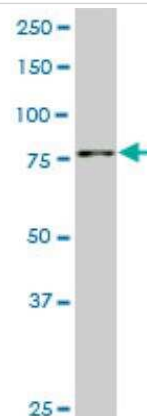
Immunohistochemistry-Paraffin: SMURF1 Antibody (1D7) [H00057154-M01] - Analysis of monoclonal antibody to SMURF1 on formalin-fixed paraffin-embedded human stomach. Antibody concentration 2 ug/ml.



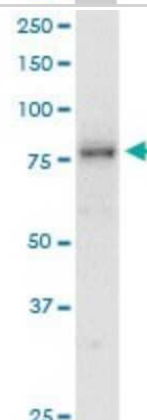
Western Blot: SMURF1 Antibody (1D7) [H00057154-M01] - SMURF1 expression in Raw 264.7 (Cat # L024V1).



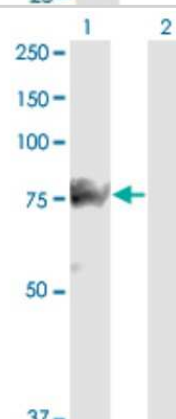
Western Blot: SMURF1 Antibody (1D7) [H00057154-M01] - SMURF1 expression in NIH/3T3 (Cat # L018V1).



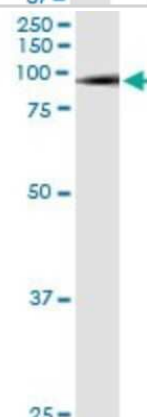
Western Blot: SMURF1 Antibody (1D7) [H00057154-M01] - SMURF1 monoclonal antibody (M01), clone 1D7. Analysis of SMURF1 expression in HeLa.



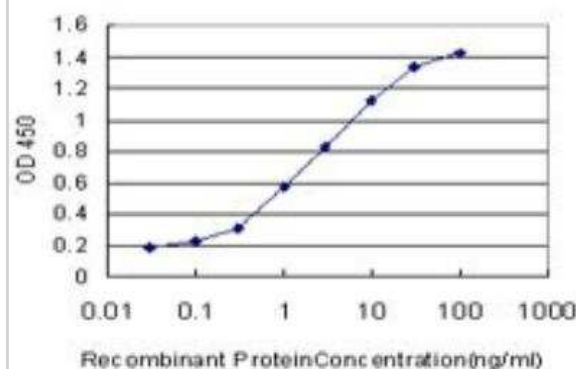
Western Blot: SMURF1 Antibody (1D7) [H00057154-M01] - Analysis of SMURF1 expression in transfected 293T cell line by SMURF1 monoclonal antibody (M01), clone 1D7. Lane 1: SMURF1 transfected lysate (83.4 kDa). Lane 2: Non-transfected lysate.



Immunoprecipitation: SMURF1 Antibody (1D7) [H00057154-M01] - Analysis of SMURF1 transfected lysate using anti-SMURF1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with SMURF1 MaxPab rabbit polyclonal antibody.



ELISA: SMURF1 Antibody (1D7) [H00057154-M01] - Detection limit for recombinant GST tagged SMURF1 is approximately 0.1ng/ml as a capture antibody.



Publications

Murakami K, Etlinger JD., et al. Role of SMURF1 ubiquitin ligase in BMP receptor trafficking and signaling. *Cell Signal* 2018-11-03 [PMID: 30395943]

Tang Y, Tang L, Xu X et al. Generation of Smurf2 Conditional Knockout Mice *Int. J. Biol. Sci.* 2018-04-26 [PMID: 29805305] (WB, Mouse)

Zhu K, Tang Y, Xu X et al. Non-proteolytic ubiquitin modification of PPAR γ by Smurf1 protects the liver from steatosis *PLoS Biol.* 2018-12-01 [PMID: 30566427] (WB, Mouse)

Barnes JW, Kucera ET, Tian L et al. BMPR2 Mutation-independent Mechanisms of Disrupted BMP Signaling in IPAH. *Am J Respir Cell Mol Biol* 2016-05-17 [PMID: 27187737]

Wang J, Zhang Y, Weng W et al. Impaired phosphorylation and ubiquitination by p70 S6 kinase (p70S6K) and Smad ubiquitination regulatory factor 1 (Smurf1) promote tribbles homolog 2 (TRIB2) stability and carcinogenic property in liver cancer. *J Biol Chem.* 2013-11-22 [PMID: 24089522] (ICC/IF, IF/IHC, Human)

Murakami K, Mathew R, Huang J et al. Smurf1 ubiquitin ligase causes downregulation of BMP receptors and is induced in monocrotaline and hypoxia models of pulmonary arterial hypertension. *Exp Biol Med* (Maywood) 235 (7):805-13. 2010-07-01 [PMID: 20558834]

Du JX, Hagos EG, Nandan MO et al. The E3 ubiquitin ligase, SMAD ubiquitination regulatory factor 2, negatively regulates Kruppel-like factor 5. *J Biol Chem.* 2011-09-27 [PMID: 21953463]



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Products Related to H00057154-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00057154-Q01-10ug	Recombinant Human SMURF1 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.

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