

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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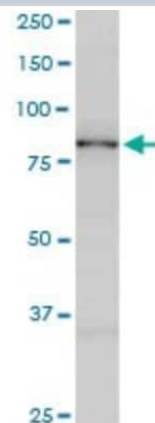
H00057154-M01

SMURF1 Antibody (1D7) - Azide and BSA Free

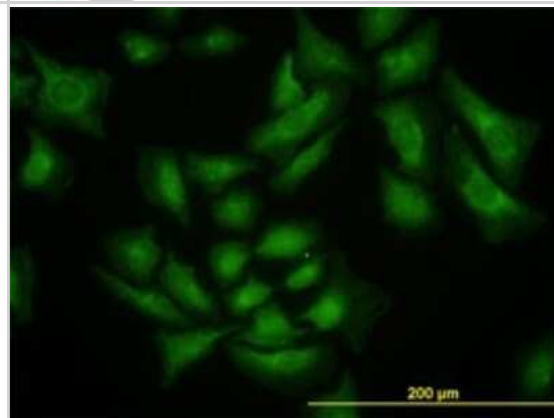
| Product Information | |
|------------------------------------|--|
| Unit Size | 0.1 mg |
| Concentration | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | 1D7 |
| Preservative | No Preservative |
| Isotype | IgG2a Kappa |
| Purity | IgG purified |
| Buffer | In 1x PBS, pH 7.4 |
| Product Description | |
| Description | Novus Biologicals Mouse SMURF1 Antibody (1D7) - Azide and BSA Free (H00057154-M01) is a monoclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and IP. Anti-SMURF1 Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| 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 DVRGSLQTPQNRPHGHQSPPELPEGYEQRTTVQGQVYFLHTQTGVSTWHDPRIP |
| Notes | This product is produced by and distributed for Abnova, a company based in Taiwan. |
| Product Application Details | |
| Applications | Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, 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

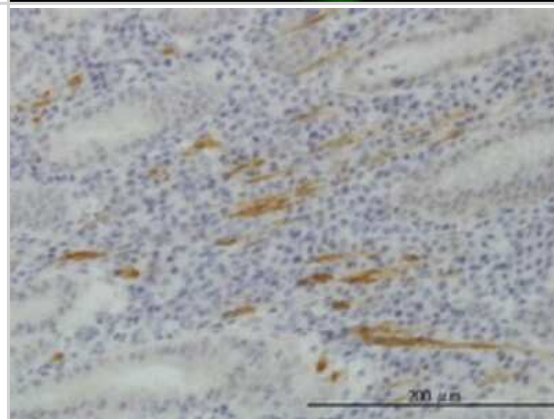
Western Blot: SMURF1 Antibody (1D7) [H00057154-M01] - SMURF1 monoclonal antibody (M01), clone 1D7. Analysis of SMURF1 expression in HepG2.



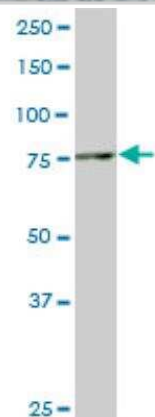
Immunocytochemistry/Immunofluorescence: SMURF1 Antibody (1D7) [H00057154-M01] - Analysis of monoclonal antibody to SMURF1 on HeLa cell. Antibody concentration 10 ug/ml.



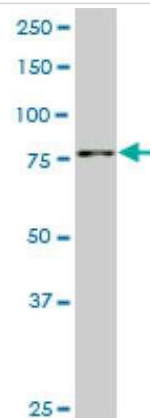
Immunohistochemistry-Paraffin: SMURF1 Antibody (1D7) [H00057154-M01] - Analysis of monoclonal antibody to SMURF1 on formalin-fixed paraffin-embedded human stomach. Antibody concentration 2 ug/ml.



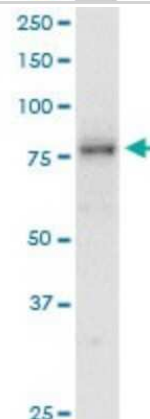
Western Blot: SMURF1 Antibody (1D7) [H00057154-M01] - SMURF1 expression in Raw 264.7 (Cat # L024V1).



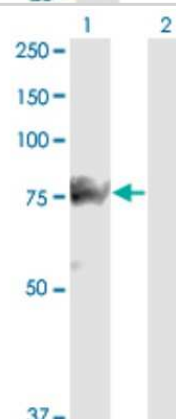
Western Blot: SMURF1 Antibody (1D7) [H00057154-M01] - SMURF1 expression in NIH/3T3 (Cat # L018V1).



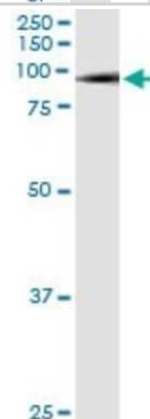
Western Blot: SMURF1 Antibody (1D7) [H00057154-M01] - SMURF1 monoclonal antibody (M01), clone 1D7. Analysis of SMURF1 expression in HeLa.



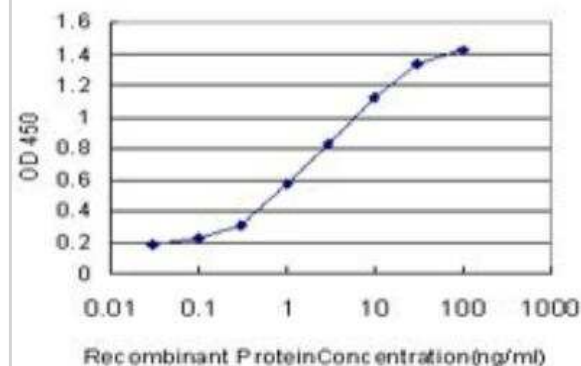
Western Blot: SMURF1 Antibody (1D7) [H00057154-M01] - Analysis of SMURF1 expression in transfected 293T cell line by SMURF1 monoclonal antibody (M01), clone 1D7. Lane 1: SMURF1 transfected lysate(83.4 KDa). Lane 2: Non-transfected lysate.



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

| | |
|------------------|--|
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP] |
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB7539 | Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP] |
| NBP1-96981-0.5mg | Mouse IgG2a Kappa Isotype Control (M2AK) |

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