

Product Datasheet

SENP6 Antibody (4B7) - Azide and BSA Free H00026054-M01

Unit Size: 0.1 mg

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

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H00026054-M01

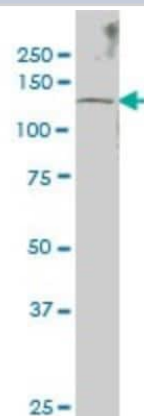
SENP6 Antibody (4B7) - Azide and BSA Free

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	4B7
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Novus Biologicals Mouse SENP6 Antibody (4B7) - Azide and BSA Free (H00026054-M01) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow, ICC/IF and IP. Anti-SENP6 Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	26054
Gene Symbol	SENP6
Species	Human, Mouse
Specificity/Sensitivity	SENP6 - SUMO1/sentrin specific protease 6
Immunogen	SENP6 (NP_056386, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MAAGKSGGSAGEITFLEALARSESKRDGGFKNNWSFDHEEESEGDTDKDGTN LLSVDEDEDSETSKGKKLNRRSEIVANSSGEFILKTYVRRNKSESFKTLKGNPIG LNM
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Sandwich ELISA
Recommended Dilutions	Western Blot 1:500, Flow Cytometry, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin 1:10-1:500, Sandwich ELISA 1:100-1:2000
Application Notes	Antibody reactive against cell lysate and recombinant protein for Western Blot. Has also been used for immunohistochemistry (paraffin) and ELISA. Flow data from customer review. ICC data from customer review.

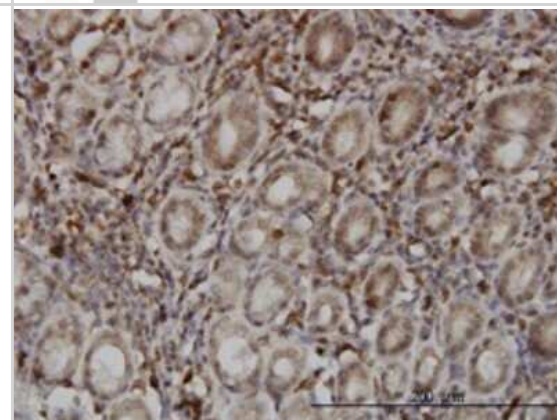


Images

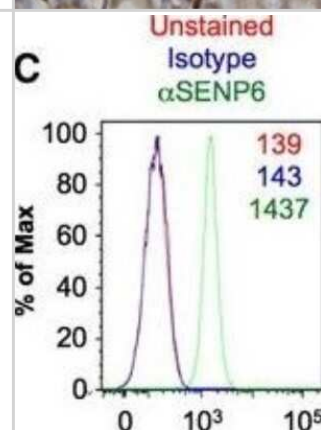
Western Blot: SENP6 Antibody (4B7) [H00026054-M01] - SENP6 monoclonal antibody (M01), clone 4B7 Analysis of SENP6 expression in IMR-32.



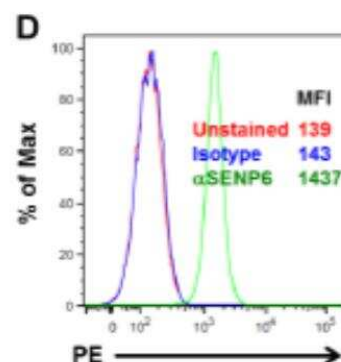
Immunohistochemistry-Paraffin: SENP6 Antibody (4B7) [H00026054-M01] - Analysis of monoclonal antibody to SENP6 on formalin-fixed paraffin-embedded human stomach. Antibody concentration 3 ug/ml.



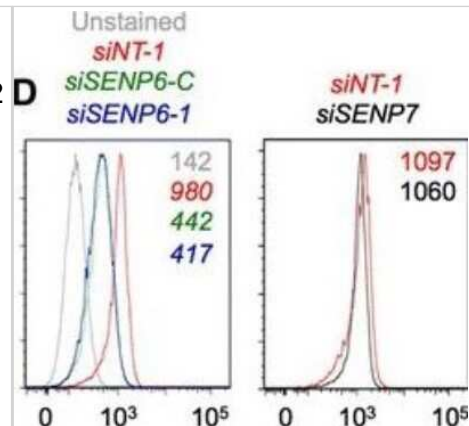
Flow Cytometry: SENP6 Antibody (4B7) [H00026054-M01] - SENP6 knockdown induces a hyper-acute apoptotic response in MSH2-deficient human cells. Efficient targeted knockdown of SENP6 in MSH2-deficient HEC59 cells. SENP6 protein was detected by flow cytometry (see Methods). Image collected and cropped by CiteAb from the following publication (<https://genomemedicine.biomedcentral.com/articles/10.1186/s13073-014-0068-4>), licensed under a CC-BY license.



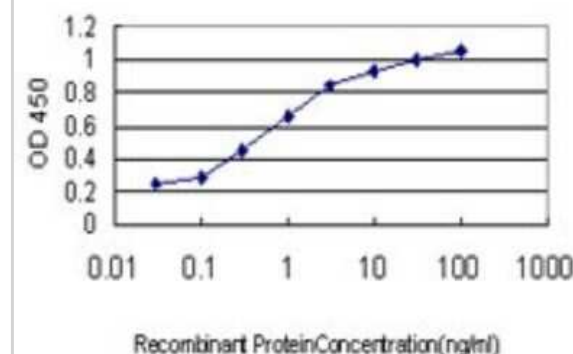
Flow Cytometry: SENP6 Antibody (4B7) [H00026054-M01] - Staining with senp6 antibody and negative controls, acquisition by FACS. Image from verified customer review.



Flow Cytometry: SENP6 Antibody (4B7) [H00026054-M01] - SENP6 knockdown induces a hyper-acute apoptotic response in MSH2-deficient human cells. Efficient targeted knockdown of SENP6 or SENP7 in MSH2-deficient HEC59 cells. SENP6 protein was detected by flow cytometry (see Methods). Note specificity of SENP6 knockdown in response to siSENP6-C or siSENP6-1 [93], but not siSENP7 (pooled siSENP7-1 and siSENP7-2) or non-targeted siNT-1. Image collected and cropped by CiteAb from the following publication (<https://genomemedicine.biomedcentral.com/articles/10.1186/s13073-014-0068-4>), licensed under a CC-BY license.



Sandwich ELISA: SENP6 Antibody (4B7) [H00026054-M01] - Detection limit for recombinant GST tagged SENP6 is approximately 0.03ng/ml as a capture antibody.



Publications

Barroso-Gonzalez J, Garcia-Exposito L, Hoang SM et al. RAD51AP1 Is an Essential Mediator of Alternative Lengthening of Telomeres Mol. Cell 2019-08-07 [PMID: 31400850]

Colnaghi L, Conz A, Russo L et al. Neuronal Localization of SENP Proteins with Super Resolution Microscopy Brain Sci 2020-10-25 [PMID: 33113832]

Lin X, Sun R, Zhang F et al. The Latency-Associated Nuclear Antigen of Kaposi's Sarcoma-Associated Herpesvirus Inhibits Expression of SUMO/sentrin Specific Peptidase 6 to Facilitate Latency Establishment. J Virol 2017-06-14 [PMID: 28615201]

Dou H, Huang C, Singh M et al. Regulation of DNA repair through deSUMOylation and SUMOylation of replication protein A complex. Mol Cell. 2010-08-13 [PMID: 20705237]

Liu X, Chen W, Wang Q et al. Negative Regulation of TLR Inflammatory Signaling by the SUMO-deconjugating Enzyme SENP6. PLoS Pathog. 2013-06-27 [PMID: 23825957]

Tosti E, Katakowski JA, Schaetzlein S. Exploiting evolutionarily conserved genetic interactions with budding and fission yeast MutS to identify orthologous relationships in MMR-deficient cancer cells. Genome Medicine. 2014-09-17 [PMID: 25302077]

Han Y, Huang C, Sun X et al. SENP3-mediated de-conjugation of SUMO2/3 from promyelocytic leukemia is correlated with accelerated cell proliferation under mild oxidative stress. J Biol Chem 285(17):12906-15. 2010-04-23 [PMID: 20181954]

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Products Related to H00026054-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)
NBP2-07141	SENP6 Overexpression Lysate

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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