

# 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**

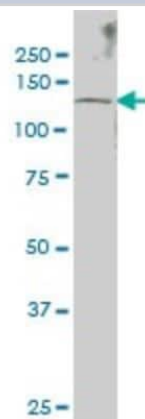
SENP6 Antibody (4B7) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	4B7
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Product Description</b>	
<b>Description</b>	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.
<b>Host</b>	Mouse
<b>Gene ID</b>	26054
<b>Gene Symbol</b>	SENP6
<b>Species</b>	Human, Mouse
<b>Specificity/Sensitivity</b>	SENP6 - SUMO1/sentrin specific protease 6
<b>Immunogen</b>	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 LLSVDEDEDSETSKGKLNRRSEIVANSSGEFILKTYVRRNKSESFKTLKGNPIG LNM
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Sandwich ELISA
<b>Recommended Dilutions</b>	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
<b>Application Notes</b>	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.

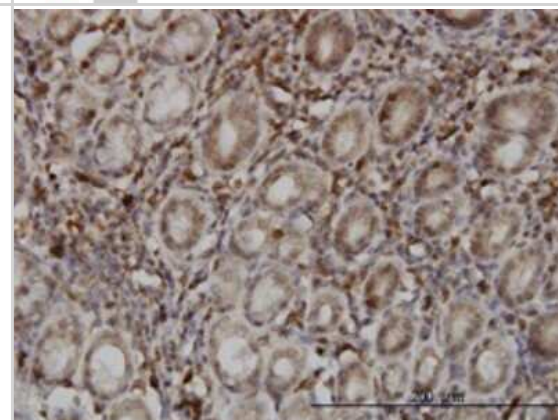


## Images

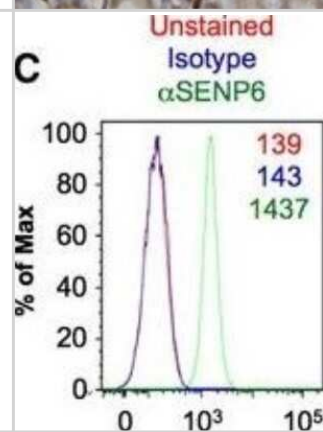
Western Blot: SENP6 Antibody (4B7) [H00026054-M01] - SENP6 monoclonal antibody (M01), clone 4B7 Analysis of SENP6 expression in IMR-32.



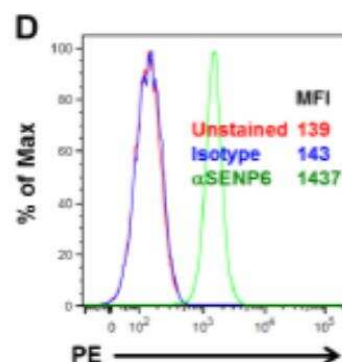
Immunohistochemistry-Paraffin: SENP6 Antibody (4B7) [H00026054-M01] - Analysis of monoclonal antibody to SENP6 on formalin-fixed paraffin-embedded human stomach. Antibody concentration 3 ug/ml.



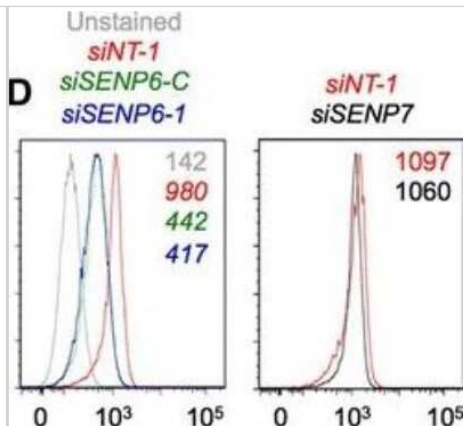
Flow Cytometry: SENP6 Antibody (4B7) [H00026054-M01] - SENP6 knockdown induces a hyper-acute apoptotic response in MSH2-deficient human cells. Efficient targeted knockdown of SENP6 in MSH2-deficient HEC59 cells. SENP6 protein was detected by flow cytometry (see Methods). Image collected and cropped by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



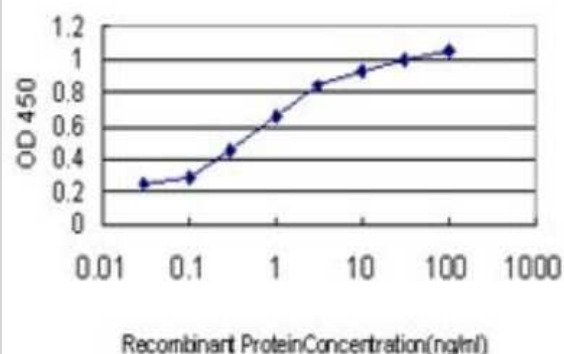
Flow Cytometry: SENP6 Antibody (4B7) [H00026054-M01] - Staining with senp6 antibody and negative controls, acquisition by FACS. Image from verified customer review.



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, Schaezlein 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**

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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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### **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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