

SENP1 recombinant antibody

SENP1 Recombinant Monoclonal Antibody

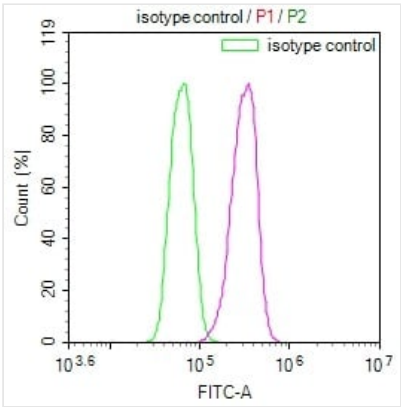
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA278973	HEK293F Cell	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

SENP1; Monoclonal Recombinant Antibody; SENP1 Recombinant Monoclonal Antibody; Sentrin-specific protease 1 (EC 3.4.22.-)(Sentrin/SUMO-specific protease SENP1); SENP1 recombinant antibody

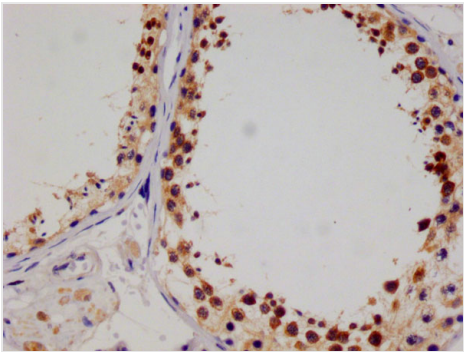
PRODUCT SPECIFICATIONS

Host	HEK293F Cell
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	25H2
Purity/Purification	Affinity purified
Form/Format	Liquid; PBS, 150mM NaCl, 0.02% sodium azide, 50% glycerol, pH 7.4.
Applicable Applications for SENP1 recombinant antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Species	Human
Immunogen	A synthesized peptide derived from Human SENP1
Conjugation	Non-conjugated
Research Area	Epigenetics and Nuclear Signaling; Cell biology
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.



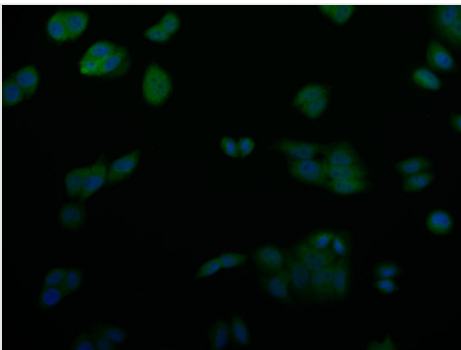
FCM/FACS (Flow Cytometry)

Overlay Peak curve showing K562 cells stained with AAA278973 (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*106cells) for 45min at 4?. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG(H+L) at 1:200 dilution for 35min at 4?.Control antibody (green line) was rabbit IgG (1ug/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.



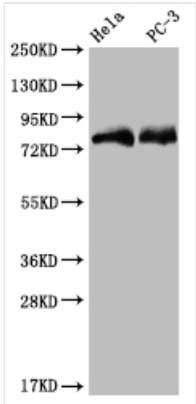
IHC (Immunohistochemistry)

IHC image of AAA278973 diluted at 1:100 and staining in paraffin-embedded human testis tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.



IF (Immunofluorescence)

Immunofluorescence staining of PC-3 cell with AAA278973 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 527-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



WB (Western Blot)

Western BlotPositive WB detected in: HeLa whole cell lysate, PC3 whole cell lysateAll lanes: SENP1 antibody at 1:2000SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 74 kDaObserved band size: 72-95 kDa

ADDITIONAL INFORMATION

Related Product Information for SENP1 recombinant antibody

Protease that catalyzes two essential functions in the SUMO pathway (PubMed:10652325, PubMed:15199155, PubMed:16253240, PubMed:16553580, PubMed:21829689, PubMed:21965678, PubMed:23160374, PubMed:24943844, PubMed:25406032, PubMed:29506078). The first is the hydrolysis of an alpha-linked peptide bond at the C-terminal end of the small ubiquitin-like modifier (SUMO) propeptides, SUMO1, SUMO2 and SUMO3 leading to the mature form of the proteins. The second is the deconjugation of SUMO1, SUMO2 and SUMO3 from targeted proteins, by cleaving an epsilon-linked peptide bond between the C-terminal glycine of the mature SUMO and the lysine epsilon-amino group of the target protein. Deconjugates SUMO1 from HIPK2 (PubMed:16253240). Deconjugates SUMO1 from HDAC1 and BHLHE40/DEC1, which decreases its transcriptional repression activity (PubMed:21829689). Deconjugates SUMO1 from CLOCK, which decreases its transcriptional activation activity (PubMed:23160374). Deconjugates SUMO2 from MTA1 (PubMed:21965678). Deconjugates SUMO1 from METTL3 (PubMed:29506078). Desumoylates CCAR2 which decreases its interaction with SIRT1 (PubMed:25406032). Deconjugates SUMO1 from GPS2 (PubMed:24943844). {ECO:0000269|PubMed:10652325, ECO:0000269|PubMed:15199155, ECO:0000269|PubMed:16253240, ECO:0000269|PubMed:16553580, ECO:0000269|PubMed:21829689, ECO:0000269|PubMed:21965678, ECO:0000269|PubMed:23160374, ECO:0000269|PubMed:24943844, ECO:0000269|PubMed:25406032, ECO:0000269|PubMed:29506078}.

NCBI AND UNIPROT INFORMATION

NCBI GI #	390131988
NCBI GeneID	29843
NCBI Accession #	NP_001254523.1
NCBI GenBank Nucleotide #	NM_001267594.1
UniProt Accession #	Q9P0U3; Q86XC8; A8K7P5
Molecular Weight	73,481 Da
NCBI Official Full Name	sentrin-specific protease 1
NCBI Official Synonym Full Names	SUMO1/sentrin specific peptidase 1
NCBI Official Symbol	SENP1
NCBI Official Synonym Symbols	SuPr-2
NCBI Protein Information	sentrin-specific protease 1; SUMO1/sentrin specific protease 1; sentrin/SUMO-specific protease SENP1
UniProt Protein Name	Sentrin-specific protease 1
UniProt Gene Name	SENP1
UniProt Entry Name	SENP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/senp1-recombinant-antibody-clone-25h2-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/278973>