

Mouse anti-Human SENP1 Monoclonal Antibody | anti-SENP1 antibody

Anti-SENP1 Antibody Picoband (monoclonal, 5F4)

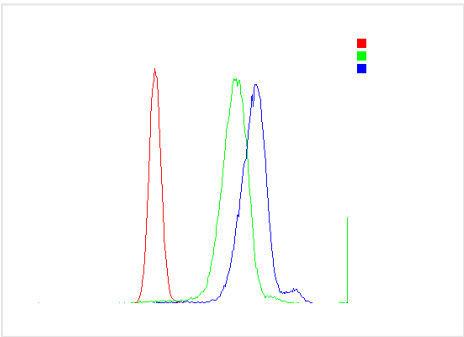
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126907	Mouse	Human	Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

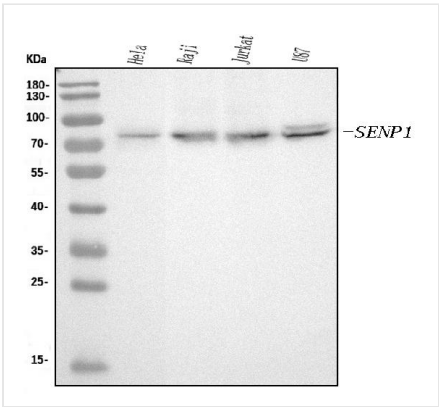
SENP1; Monoclonal Antibody; Anti-SENP1 Antibody Picoband (monoclonal; 5F4); anti-SENP1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	5F4
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-SENP1 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human SENP1 recombinant protein (Position: N19-P619).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of K562 cells using anti-SEN1 antibody (AAA126907).Overlay histogram showing K562 cells stained with AAA126907 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with mouse anti-SEN1 Antibody (AAA126907, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. Dylight488 conjugated goat anti-mouse IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was mouse IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of SEN1 using anti-SEN1 antibody (AAA126907).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Hela whole cell lysates,Lane 2: human Raji whole cell lysates,Lane 3: human Jurkat whole cell lysates,Lane 4: human U87 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with mouse anti-SEN1 antigen affinity purified monoclonal antibody (#AAA126907) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for SEN1 at approximately 73 kDa. The expected band size for SEN1 is at 73 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SEN1 antibody	Sentrin-specific protease 1 is a protein that in human is encoded by the SENP1 gene. This gene is mapped to 12q13.11. This gene encodes a cysteine protease that specifically targets members of the small ubiquitin-like modifier (SUMO) protein family. This protease regulates SUMO pathways by deconjugating sumoylated proteins. This protease also functions to process the precursor SUMO proteins into their mature form. Alternate splicing results in multiple transcript variants.
Product Categories/Family for anti-SEN1 antibody	Primary Antibodies, Mouse Monoclonal Antibodies

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	SEN1
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	SEN1
UniProt Entry Name	SEN1_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-antibody-clone-5f4-flow-cytometry-western-blot-elisa/126907>