

Datasheet for ABIN2784245
anti-SENP6 antibody (C-Term)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	SENP6
Binding Specificity:	C-Term
Reactivity:	Human, Cow, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SENP6 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human SENP6
Sequence:	MNLANWFPPP RMRTKREEIR NIILKLQEDQ SKEKRKHKDT YSTEAPLGEG
Predicted Reactivity:	Cow: 79%, Horse: 79%, Human: 100%, Pig: 91%
Characteristics:	This is a rabbit polyclonal antibody against SENP6. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	SENP6
Alternative Name:	SENP6 (SENP6 Products)

Target Details

Background:	<p>SENp6 is a UBL-specific protease that deconjugates SUMO1, SUMO2 and SUMO3 from targeted proteins. It does not seem to be involved in the processing of full-length SUMO proteins to their mature forms. SENp6 deconjugates SUMO1 from RXRA, leading to transcriptional activation. It may act preferentially on substrates containing 3 or more SUMO2 or SUMO3 moieties. Ubiquitin-like molecules (UBLs), such as SUMO1 (UBL1, MIM 601912), are structurally related to ubiquitin (MIM 191339) and can be ligated to target proteins in a similar manner as ubiquitin. However, covalent attachment of UBLs does not result in degradation of the modified proteins. SUMO1 modification is implicated in the targeting of RANGAP1 (MIM 602362) to the nuclear pore complex, as well as in stabilization of I-kappa-B-alpha (NFKBIA, MIM 164008) from degradation by the 26S proteasome. Like ubiquitin, UBLs are synthesized as precursor proteins, with 1 or more amino acids following the C-terminal glycine-glycine residues of the mature UBL protein. Thus, the tail sequences of the UBL precursors need to be removed by UBL-specific proteases, such as SENp6, prior to their conjugation to target proteins (Kim et al., 2000 [PubMed 10799485]). [supplied by OMIM].</p> <p>Alias Symbols: FLJ11355, FLJ11887, KIAA0389, KIAA0797, SSP1, SUSP1</p> <p>Protein Interaction Partner: UBC, SP1, LMNA, COPS5, SUMO2, KAT5, SUMO1, PLA2G2A, RUVBL2, ARNT,</p> <p>Protein Size: 1105</p>
Molecular Weight:	125 kDa
Gene ID:	26054
NCBI Accession:	NM_001100409 , NP_001093879
UniProt:	Q9GZR1

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1105 AA
Restrictions:	For Research Use only

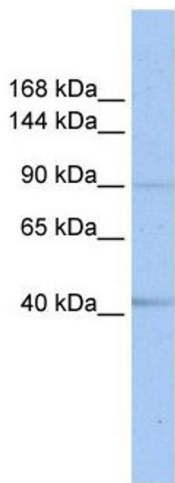
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

Handling

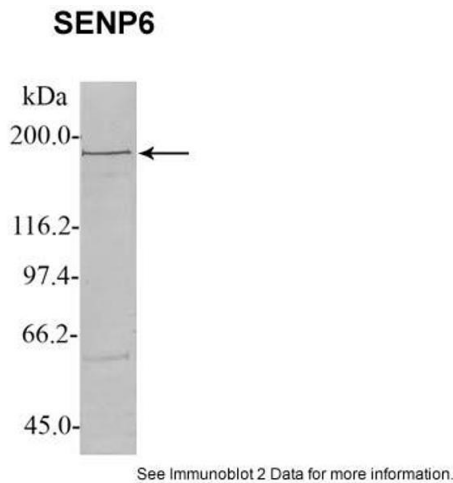
	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



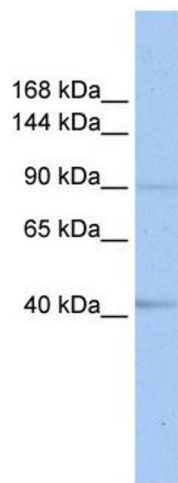
Western Blotting

Image 1. WB Suggested Anti-SEN6 Antibody Titration: 0.2-1 ug/ml Positive Control: 721_B cell lysate SEN6 is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells



Western Blotting

Image 2. Sample Type: 1.Rat Testis cells (200ug)
Primary Dilution: 1:1000
Secondary Antibody: alkaline phosphatase-conjugated anti-rabbit
Secondary Dilution: 1:1000
Image Submitted by: Andreia Carvalho
IBMC-OBF, Portugal .



Western Blotting

Image 3. WB Suggested Anti-SEN6

Antibody Titration: 0.2-1 µg/mL

Positive Control: 21_B cell lysate

SEN6 is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells