

Product datasheet for **TA339719**

SENP6 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-SENP6 antibody: synthetic peptide directed towards the C terminal of human SENP6. Synthetic peptide located within the following region: MNLANWFPPPRMRTKREEIRNIIKLQEDQSKEKRKHKDTYPEAPLGEG
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	125 kDa
Gene Name:	SUMO1/sentrin specific peptidase 6
Database Link:	NP_001093879 Entrez Gene 300860 Rat Entrez Gene 26054 Human Q9GZR1



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Background:

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]

Synonyms:

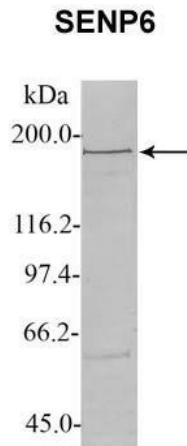
SSP1; SUSP1

Note:

Immunogen Sequence Homology: Human: 100%; Pig: 91%; Horse: 79%; Bovine: 79%

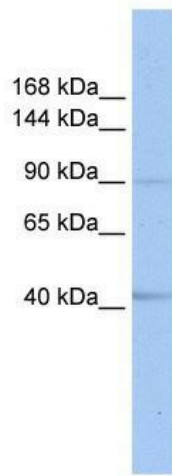
Protein Families:

Druggable Genome, Protease

Product images:

See Immunoblot 2 Data for more information.

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 See Customer Feedback tab for detail



WB Suggested Anti-SENP6 Antibody Titration: 0.2-1 ug/ml; Positive Control: 721_B cell lysate SENP6 is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells