



# SENP6 Polyclonal Antibody

<b>Catalog No</b>	BYab-02782
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	IHC;IF;ELISA
<b>Gene Name</b>	SENP6
<b>Protein Name</b>	Sentrin-specific protease 6
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human SENP6. AA range:1042-1091
<b>Specificity</b>	SENP6 Polyclonal Antibody detects endogenous levels of SENP6 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	SENP6; KIAA0797; SSP1; SUSP1; FKSG6; Sentrin-specific protease 6; SUMO-1-specific protease 1; Sentrin/SUMO-specific protease SENP6
<b>Observed Band</b>	
<b>Cell Pathway</b>	Nucleus .
<b>Tissue Specificity</b>	Highly expressed in reproductive organs, such as testis, ovary and prostate.
<b>Function</b>	function:Protease that deconjugates SUMO1, SUMO2 and SUMO3 from targeted proteins. Does not seem to be involved in the processing of full-length SUMO proteins to their mature forms. Deconjugates SUMO1 from RXRA, leading to transcriptional activation. May act preferentially on substrates containing 3 or more SUMO2 or SUMO3 moieties.,similarity:Belongs to the peptidase C48 family.,subunit:Interacts with RXRA.,tissue specificity:Highly expressed in reproductive organs, such as testis, ovary and prostate.,
<b>Background</b>	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

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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]). SENPs also display isopeptidase activity for

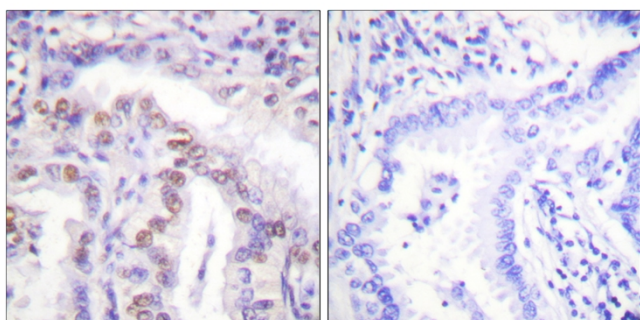
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using SENP6 Antibody. The picture on the right is blocked with the synthesized peptide.