

SENP6 Polyclonal Antibody

Catalog No :	YT4240
Reactivity :	Human;Rat;Mouse;
Applications :	IHC;IF;ELISA
Target :	SENP6
Gene Name :	SENP6
Protein Name :	Sentrin-specific protease 6
Human Gene Id :	26054
Human Swiss Prot No :	Q9GZR1
Mouse Swiss Prot No :	Q6P7W0
Immunogen :	The antiserum was produced against synthesized peptide derived from human SENP6. AA range:1042-1091
Specificity :	SENP6 Polyclonal Antibody detects endogenous levels of SENP6 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	126kD

Background : 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]). SENPs also display isopeptidase activity for

Function : 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.,

Subcellular Location : Nucleus .

Expression : Highly expressed in reproductive organs, such as testis, ovary and prostate.

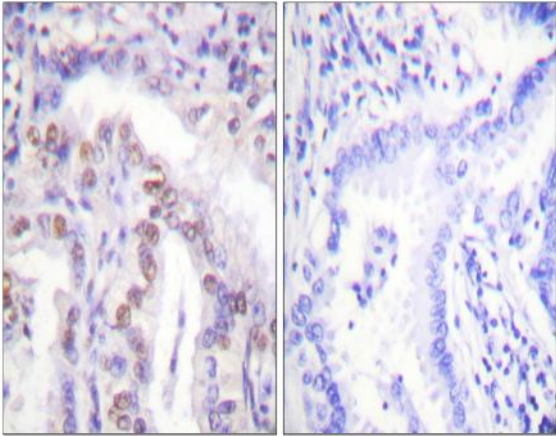
Sort : 16227

No4 : 1

Host : Rabbit

Modifications : Unmodified

Products Images



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