

## SENP6 rabbit pAb

## Cat No.:ES5463

For research use only

## Overview

Product Name	SENP6 rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Immunohistochemistry: 1/100 - 1/300. ELISA:
	1/10000. Not yet tested in other applications.
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.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Sentrin-specific protease 6
Gene Name	SENP6
<b>Cellular localization</b>	Nucleus .
Purification	The antibody was affinity-purified from rabbit
	antiserum by affinity-chromatography using
	epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	26054
Human Swiss-Prot Number	Q9GZR1
Alternative Names	SENP6; KIAA0797; SSP1; SUSP1; FKSG6;
	Sentrin-specific protease 6; SUMO-1-specific
	protease 1; Sentrin/SUMO-specific protease SENP6
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



+86-27-59760950

ELKbio@ELKbiotech.com

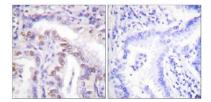
www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road, Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C



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

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





+86-27-59760950

ELKbio@ELKbiotech.com

www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road, Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C