



Anti-SEN6 (aa 1-110) polyclonal antibody (DPAB-DC1273)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 deconjugation of SUMO-conjugated substrates (Lima and Reverter, 2008 [PubMed 18799455]).[supplied by OMIM, Jun 2009]
Immunogen	SEN6 (NP_056386, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. The sequence is MAAGKSGGSAGEITFLEALARSESKRDGGFKNNWSFDHEEESEGDGTDKDGTNLLSVDEDE DSETSKGKKLNRSEIVANSSGEFILKTYVRRNKSESFKTLKGNPIGLNM
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol

Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	SEN6 SUMO1/sentrin specific peptidase 6 [Homo sapiens (human)]
Official Symbol	SEN6
Synonyms	SEN6; SUMO1/sentrin specific peptidase 6; SSP1; SUSP1; sentrin-specific protease 6; 2810017C20Rik; SUMO-1-specific protease 1; SUMO1/sentrin specific protease 6; sentrin/SUMO-specific protease SENP6;
Entrez Gene ID	26054
Protein Refseq	NP_001093879
UniProt ID	B3KMM0
Chromosome Location	6q13-q14.3
Function	SUMO-specific protease activity; protein binding;