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Product datasheet for CF800001

SENP1 Mouse Monoclonal Antibody [Clone ID: OTI1D7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1D7
Applications:	FC, WB
Recommended Dilution:	WB 1:1000, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 221-460 of human SENP1 (NP_055369) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	73.2 kDa
Gene Name:	SUMO specific peptidase 1
Database Link:	NP_055369 Entrez Gene 223870 MouseEntrez Gene 29843 Human Q9P0U3

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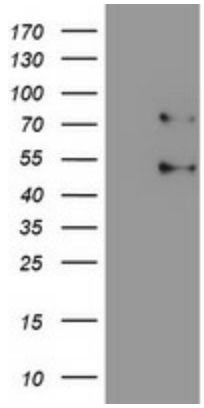
Background: The covalent modification of proteins by the small ubiquitin (UBB; MIM 191339)-like protein SUMO (see SUMO1, MIM 601912) is implicated in the regulation of nucleocytoplasmic transport, genomic stability, gene transcription, and other processes. Sumoylation is catalyzed on target lysine residues by a multienzyme process and is reversed by desumoylating enzymes such as SENP1 (Yamaguchi et al., 2005 [PubMed 15923632]). [supplied by OMIM]

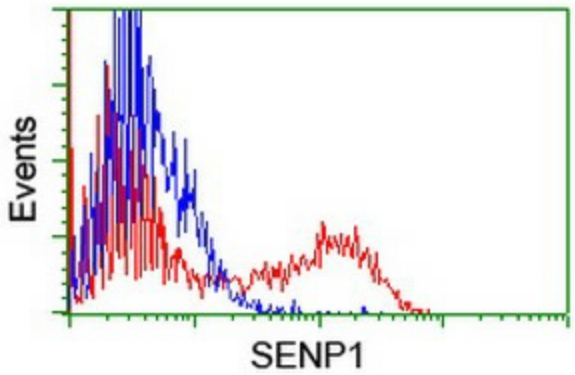
Synonyms: SuPr-2

Protein Families: Druggable Genome, Protease

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY SENP1 (Cat# [RC207194], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SENP1(Cat# [TA800001]).



HEK293T cells transfected with either [RC207194] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-SENP1 antibody ([TA800001]), and then analyzed by flow cytometry.