



# SENP1 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-02778
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	SENP1
<b>Protein Name</b>	Sentrin-specific protease 1
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human SENP1. AA range:1-50
<b>Specificity</b>	SENP1 Monoclonal Antibody detects endogenous levels of SENP1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	SENP1; Sentrin-specific protease 1; Sentrin/SUMO-specific protease SENP1
<b>Observed Band</b>	73kD
<b>Cell Pathway</b>	Nucleus . Cytoplasm. Shuttles between cytoplasm and nucleus.
<b>Tissue Specificity</b>	Highly expressed in testis. Expressed at lower levels in thymus, pancreas, spleen, liver, ovary and small intestine.
<b>Function</b>	function:Protease that catalyzes two essential functions in the SUMO pathway: processing of full-length SUMO1, SUMO2 and SUMO3 to their mature forms and deconjugation of SUMO1, SUMO2 and SUMO3 from targeted proteins. Deconjugates SUMO1 from HIPK2. Deconjugates SUMO1 from HDAC1, which decreases its transcriptional repression activity.,similarity:Belongs to the peptidase C48 family.,subcellular location:Shuttles between cytoplasm and nucleus.,tissue specificity:Highly expressed in testis. Expressed at lower levels in thymus, pancreas, spleen, liver, ovary and small intestine.,
<b>Background</b>	This gene encodes a cysteine protease that specifically targets members of the small ubiquitin-like modifier (SUMO) protein family. This protease regulates SUMO pathways by deconjugating sumoylated proteins. This protease also functions to process the precursor SUMO proteins into their mature form. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012],



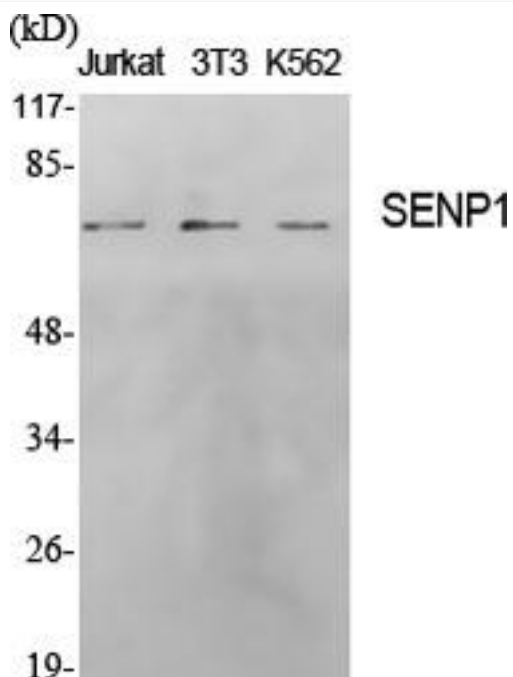
**matters needing attention**

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**



Western Blot analysis of various cells using SENP1 Monoclonal Antibody