



SENP3 Monoclonal Antibody

Catalog No	YP-mAb-02780
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SENP3
Immunogen	The antiserum was produced against synthesized peptide derived from human SENP3. AA range:10-59
Specificity	SENP3 Monoclonal Antibody detects endogenous levels of SENP3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SUMO-1-specific protease 3;SSP3;SMT3IP1;Sentrin-specific protease 3;Sentrin/SUMO-specific protease SENP3;SENP3;SUSP3
Observed Band	80kD
Calculated Molecular Weight	80kD
Cell Pathway	Nucleus, nucleolus . Nucleus, nucleoplasm . Cytoplasm . Redistributes between the nucleolus and the nucleoplasm in response to mild oxidative stress (PubMed:19680224). Mainly found in the nucleoplasm, with low levels detected in the cytoplasmic and chromatin fractions (By similarity). .
Tissue Specificity	Epithelium,Lymph,Melanoma,Uterus,
Function	function:Protease that releases SUMO2 and SUMO3 monomers from sumoylated substrates, but has only weak activity against SUMO1 conjugates. Deconjugates SUMO2 from MEF2D, which increases its transcriptional activation caMABility.,similarity:Belongs to the peptidase C48 family., subunit:Binds to UBL1 and SMT3H1.,

**Background**

The reversible posttranslational modification of proteins by the addition of small ubiquitin-like SUMO proteins (see SUMO1; MIM 601912) is required for numerous biologic processes. SUMO-specific proteases, such as SENP3, are responsible for the initial processing of SUMO precursors to generate a C-terminal diglycine motif required for the conjugation reaction. They also have isopeptidase activity for the removal of SUMO from high molecular mass SUMO conjugates (Di Bacco et al., 2006 [PubMed 16738315]).[supplied by OMIM, Jun 2009],

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