

**SENP3 Polyclonal Antibody**

<b>Catalog No :</b>	YT4238
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	SENP3
<b>Gene Name :</b>	SENP3
<b>Protein Name :</b>	Sentrin-specific protease 3
<b>Human Gene Id :</b>	26168
<b>Human Swiss Prot No :</b>	Q9H4L4
<b>Mouse Gene Id :</b>	80886
<b>Mouse Swiss Prot No :</b>	Q9EP97
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human SENP3. AA range:10-59
<b>Specificity :</b>	SENP3 Polyclonal Antibody detects endogenous levels of SENP3 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

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**Observed Band :** 80kD

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**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],

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**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 capability.,similarity:Belongs to the peptidase C48 family.,subunit:Binds to UBL1 and SMT3H1.,

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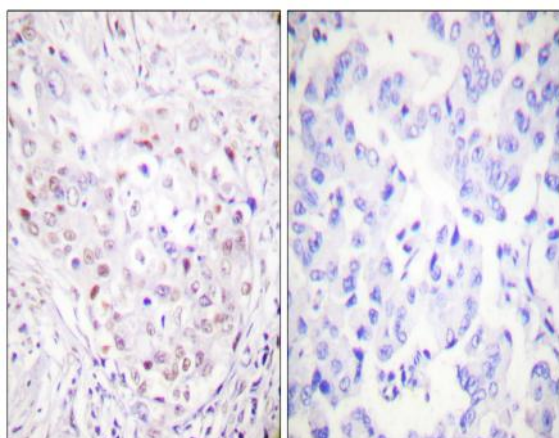
**Subcellular Location :** Nucleus, nucleolus . Nucleus, nucleoplasm . Cytoplasm . Redistributes between the nucleolus and the nucleoplasm in response to mild oxidative stress (PubMed:19680224). Mainly found in the nucleoplasm, with low levels detected in the cytoplasmic and chromatin fractions (By similarity). .

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**Expression :** Epithelium,Lymph,Melanoma,Uterus,

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## Products Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using SENP3 Antibody. The picture on the right is blocked with the synthesized peptide.