

SENP3 rabbit pAb

Cat No.: ES5470

For research use only

Overview

Product Name SENP3 rabbit pAb

Host species Rabbit

Applications WB;IHC;IF;ELISA **Species Cross-Reactivity** Human;Mouse

Recommended dilutions Western Blot: 1/500 - 1/2000.

Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

Immunogen The antiserum was produced against synthesized

peptide derived from human SENP3. AA range:10-59

Specificity SENP3 Polyclonal Antibody detects endogenous

levels of SENP3 protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name Sentrin-specific protease 3

Gene Name SENP3

Cellular localization 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 chroma

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal
Concentration 1 mg/ml
Observed band 80kD
Human Gene ID 26168
Human Swiss-Prot Number Q9H4L4

Alternative Names SENP3; SSP3; SUSP3; Sentrin-specific protease 3;

SUMO-1-specific protease 3; Sentrin/SUMO-specific

protease SENP3



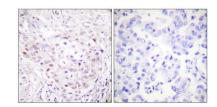
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Background

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],

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



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