

## Product datasheet

# Anti-SENP3 antibody - Aminoterminal end ab71677

[1 References](#) [2 Images](#)

### Overview

<b>Product name</b>	Anti-SENP3 antibody - Aminoterminal end
<b>Description</b>	Rabbit polyclonal to SENP3 - Aminoterminal end
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ELISA, WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	KLH-conjugated synthetic peptide, from the N-terminal region of Human SENP3
<b>Positive control</b>	Saos-2 cell lysate; Human breast carcinoma tissue

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.09% Sodium Azide Constituents: PBS
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	The antibody was purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab71677** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		1/1000.
WB		1/100 - 1/500. Predicted molecular weight: 65 kDa.

Application	Abreviews	Notes
IHC-P		1/50 - 1/100.

## Target

### 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. Deconjugates SUMO2 and SUMO3 from CDCA8. Redox sensor that, when redistributed into nucleoplasm, can act as an effector to enhance HIF1A transcriptional activity by desumoylating EP300. Required for rRNA processing through deconjugation of SUMO2 and SUMO3 from nucleophosmin, NPM1. Plays a role in the regulation of sumoylation status of ZNF148. Functions as a component of the Five Friends of Methylated CHTOP (5FMC) complex; the 5FMC complex is recruited to ZNF148 by methylated CHTOP, leading to desumoylation of ZNF148 and subsequent transactivation of ZNF148 target genes.

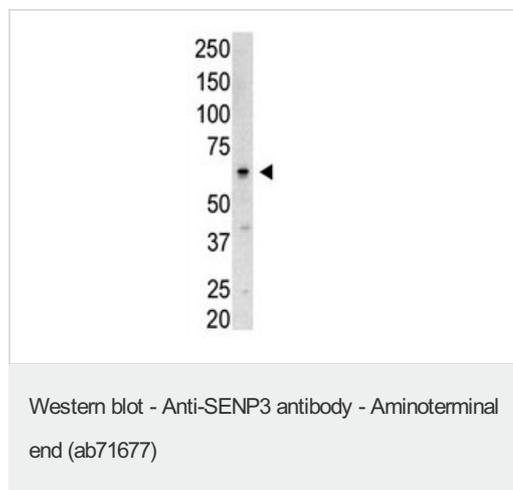
### Sequence similarities

Belongs to the peptidase C48 family.

### Cellular localization

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

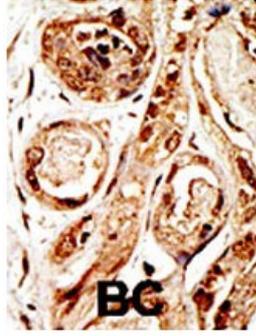
## Images



Anti-SENP3 antibody - Aminoterminal end  
(ab71677) at 1/100 dilution + Saos-2 cell  
lysate at 12.5 µg

**Predicted band size:** 65 kDa

**Observed band size:** 65 kDa



Analysis of SENP3 expression on formalin-fixed and paraffin-embedded human breast carcinoma tissue using 1:50 ab71677 (peroxidase-conjugated secondary antibody, AEC staining).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SENP3 antibody - Aminoterminal end (ab71677)

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