

## Product datasheet

# Anti-SEN6 antibody ab57239

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

### Overview

<b>Product name</b>	Anti-SEN6 antibody
<b>Description</b>	Mouse monoclonal to SEN6
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment, corresponding to amino acids 1-111 of Human SEN6

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None PBS, pH 7.2
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2a
<b>Light chain type</b>	kappa

### Applications

Our [Abpromise guarantee](#) covers the use of **ab57239** 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
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 126 kDa.
IHC-P		Use a concentration of 3 µg/ml.

## Target

### Function

Protease that deconjugates SUMO1, SUMO2 and SUMO3 from targeted proteins. Processes preferentially poly-SUMO2 and poly-SUMO3 chains, but does not efficiently process SUMO1, SUMO2 and SUMO3 precursors. Deconjugates SUMO1 from RXRA, leading to transcriptional activation. Involved in chromosome alignment and spindle assembly, by regulating the kinetochore CENPH-CENPI-CENPK complex. Desumoylates PML and CENPI, protecting them from degradation by the ubiquitin ligase RNF4, which targets polysumoylated proteins for proteasomal degradation. Desumoylates also RPA1, thus preventing recruitment of RAD51 to the DNA damage foci to initiate DNA repair through homologous recombination.

### Tissue specificity

Highly expressed in reproductive organs, such as testis, ovary and prostate.

### Pathway

Protein modification; protein sumoylation.

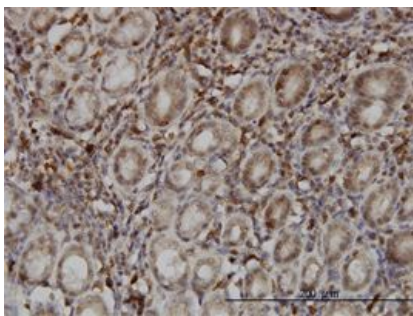
### Sequence similarities

Belongs to the peptidase C48 family.

### Cellular localization

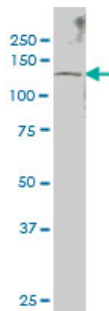
Nucleus.

## Images



IHC-P - SENP6 antibody (ab57239)

SENP6 antibody (ab57239) used in immunohistochemistry at 3ug/ml on formalin fixed and paraffin embedded human stomach.



Western blot - SENP6 antibody (ab57239)

SENP6 antibody (ab57239) at 1ug/lane + IMR-32 cell lysate at 25ug/lane.

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