

**SENP2 Antibody**  
Rabbit mAb  
Catalog # AP92481

## Specification

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### SENP2 Antibody - Product Information

|   |                        |
|---|------------------------|
| Application   | WB, IHC, ICC           |
| Primary Accession   | <a href="#">O9HC62</a> |
| Clonality   | Monoclonal             |
| <b>Other Names</b>  |                        |
| Axam2; Senp2; Sentrin specific protease 2; SMT3 specific isopeptidase 2; Smt3ip2; |                        |

|               |            |
|---------------|------------|
| Isotype       | Rabbit IgG |
| Host          | Rabbit     |
| Calculated MW | 67855 Da   |

### SENP2 Antibody - Additional Information

|                              |   |
|------------------------------|---|
| Purification                 | Affinity-chromatography   |
| Immunogen                    | A synthesized peptide derived from human SENP2  |
| Description                  | Protease that catalyzes two essential functions in the SUMO pathway: processing of full-length SUMO1, SUMO2 and SUMO3 to their mature forms and deconjugation of SUMO1, SUMO2 and SUMO3 from targeted proteins. May down-regulate CTNNB1 levels and thereby modulate the Wnt pathway. |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.   |

### SENP2 Antibody - Protein Information

**Name** SENP2 {ECO:0000303|PubMed:10718198, ECO:0000312|HGNC:HGNC:23116}

#### Function

Protease that catalyzes two essential functions in the SUMO pathway (PubMed:<a href="http://www.uniprot.org/citations/11896061" target="\_blank">11896061</a>, PubMed:<a href="http://www.uniprot.org/citations/12192048" target="\_blank">12192048</a>, PubMed:<a href="http://www.uniprot.org/citations/15296745" target="\_blank">15296745</a>, PubMed:<a href="http://www.uniprot.org/citations/20194620" target="\_blank">20194620</a>, PubMed:<a href="http://www.uniprot.org/citations/21965678" target="\_blank">21965678</a>). The first is the hydrolysis of an alpha-linked peptide bond at the C-terminal end of the small ubiquitin- like modifier (SUMO) propeptides, SUMO1, SUMO2 and SUMO3 leading to the mature form of the proteins (PubMed:<a href="http://www.uniprot.org/citations/15296745"

target="\_blank">15296745</a>). The second is the deconjugation of SUMO1, SUMO2 and SUMO3 from targeted proteins, by cleaving an epsilon-linked peptide bond between the C-terminal glycine of the mature SUMO and the lysine epsilon-amino group of the target protein (PubMed:<a href="http://www.uniprot.org/citations/15296745" target="\_blank">15296745</a>, PubMed:<a href="http://www.uniprot.org/citations/20194620" target="\_blank">20194620</a>, PubMed:<a href="http://www.uniprot.org/citations/21965678" target="\_blank">21965678</a>). May down-regulate CTNNB1 levels and thereby modulate the Wnt pathway (By similarity). Deconjugates SUMO2 from MTA1 (PubMed:<a href="http://www.uniprot.org/citations/21965678" target="\_blank">21965678</a>). Plays a dynamic role in adipogenesis by desumoylating and promoting the stabilization of CEBPB (PubMed:<a href="http://www.uniprot.org/citations/20194620" target="\_blank">20194620</a>). Acts as a regulator of the cGAS-STING pathway by catalyzing desumoylation of CGAS and STING1 during the late phase of viral infection (By similarity).

### Cellular Location

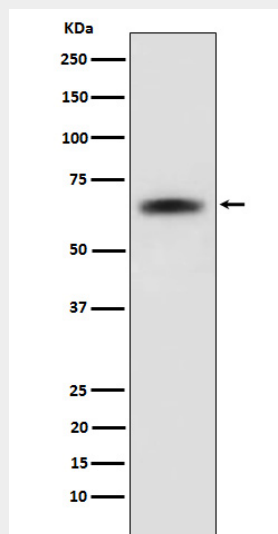
Nucleus, nuclear pore complex. Nucleus membrane; Peripheral membrane protein; Nucleoplasmic side. Cytoplasm Note=Shuttles between cytoplasm and nucleus

### SENP2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### SENP2 Antibody - Images



Western blot analysis of SENP2 expression in 293T cell lysate.