

**SENP2 Rabbit mAb**  
Catalog # AP77027**Specification**

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**SENP2 Rabbit mAb - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O9HC62</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>67855</b>

**SENP2 Rabbit mAb - Additional Information**

Gene ID 59343

**Other Names**

SENP2

**Dilution**

WB~~1/500-1/1000

**Format**

Liquid

**SENP2 Rabbit mAb - 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 Rabbit mAb - 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 Rabbit mAb - Images

