

SENP2 Rabbit mAb
Catalog # AP77027**Specification****SENP2 Rabbit mAb - Product Information**

Application	WB
Primary Accession	O9HC62
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	67855

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: [11896061](http://www.uniprot.org/citations/11896061), PubMed: [12192048](http://www.uniprot.org/citations/12192048), PubMed: [15296745](http://www.uniprot.org/citations/15296745), PubMed: [20194620](http://www.uniprot.org/citations/20194620), PubMed: [21965678](http://www.uniprot.org/citations/21965678)). 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: [15296745](http://www.uniprot.org/citations/15296745)). 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: [15296745](http://www.uniprot.org/citations/15296745), PubMed: [20194620](http://www.uniprot.org/citations/20194620), PubMed: [21965678](http://www.uniprot.org/citations/21965678)). May down-regulate CTNNB1 levels and thereby modulate the Wnt pathway (By similarity). Deconjugates SUMO2 from MTA1 (PubMed: [21965678](http://www.uniprot.org/citations/21965678)). Plays a dynamic role in adipogenesis by desumoylating and

promoting the stabilization of CEBPB (PubMed:20194620). 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

