

# SENP2 Rabbit mAb

Catalog # AP77027

## Product Information

|                   |                                                |
|-------------------|------------------------------------------------|
| Application       | WB, IHC-P, IF, ICC                             |
| Primary Accession | <a href="#">Q9HC62</a>                         |
| Reactivity        | Human                                          |
| Host              | Rabbit                                         |
| Clonality         | Monoclonal Antibody                            |
| Isotype           | IgG                                            |
| Conjugate         | Unconjugated                                   |
| Immunogen         | A synthesized peptide derived from human SENP2 |
| Purification      | Affinity Purified                              |
| Calculated MW     | 67855                                          |

## Additional Information

|             |                                                                                                    |
|-------------|----------------------------------------------------------------------------------------------------|
| Gene ID     | 59343                                                                                              |
| Other Names | SENP2                                                                                              |
| Dilution    | WB~~1/500-1/1000 IHC-P~~N/A IF~~1:50~200 ICC~~N/A                                                  |
| Format      | Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol. |
| Storage     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.           |

## Protein Information

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| Name     | SENP2 {ECO:0000303 PubMed:10718198, ECO:0000312 HGNC:HGNC:23116}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Function | <p>Protease that catalyzes two essential functions in the SUMO pathway (PubMed:<a href="#">11896061</a>, PubMed:<a href="#">12192048</a>, PubMed:<a href="#">15296745</a>, PubMed:<a href="#">20194620</a>, PubMed:<a href="#">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="#">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="#">15296745</a>, PubMed:<a href="#">20194620</a>, PubMed:<a href="#">21965678</a>). May down-regulate CTNNB1 levels and thereby modulate the Wnt pathway (By similarity). Deconjugates SUMO2 from MTA1 (PubMed:<a href="#">21965678</a>). Plays a dynamic role in adipogenesis by desumoylating and promoting the</p> |

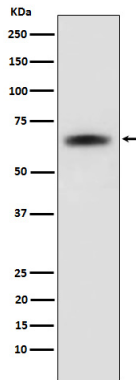
stabilization of CEBPB (PubMed:[20194620](#)). Acts as a regulator of the cGAS-STING pathway by catalyzing desumoylation of CGAS and STING1 during the late phase of viral infection (By similarity).

#### Cellular Location

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

#### Images

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