

USP14 Rabbit mAb
Catalog # AP77696**Specification**

USP14 Rabbit mAb - Product Information

Application	WB
Primary Accession	P54578
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	56069

USP14 Rabbit mAb - Additional Information**Gene ID** 9097**Other Names**

USP14

Dilution

WB~~1/500-1/1000

Format

Liquid

USP14 Rabbit mAb - Protein Information**Name** USP14**Synonyms** TGT**Function**

Proteasome-associated deubiquitinase which releases ubiquitin from the proteasome targeted ubiquitinated proteins (PubMed:[35145029](http://www.uniprot.org/citations/35145029)). Ensures the regeneration of ubiquitin at the proteasome (PubMed:[18162577](http://www.uniprot.org/citations/18162577), PubMed:[28396413](http://www.uniprot.org/citations/28396413)). Is a reversibly associated subunit of the proteasome and a large fraction of proteasome-free protein exists within the cell (PubMed:[18162577](http://www.uniprot.org/citations/18162577)). Required for the degradation of the chemokine receptor CXCR4 which is critical for CXCL12-induced cell chemotaxis (PubMed:[19106094](http://www.uniprot.org/citations/19106094)). Serves also as a physiological inhibitor of endoplasmic reticulum-associated degradation (ERAD) under the non-stressed condition by inhibiting the degradation of unfolded endoplasmic reticulum proteins via interaction with ERN1 (PubMed:[19135427](http://www.uniprot.org/citations/19135427)). Indispensable for synaptic development and function at neuromuscular junctions (NMJs) (By similarity). Plays a role in the innate immune defense against viruses by stabilizing the viral DNA sensor CGAS and thus inhibiting its autophagic degradation

(PubMed:27666593). Inhibits OPTN-mediated selective autophagic degradation of KDM4D and thereby negatively regulates H3K9me2 and H3K9me3 (PubMed:35145029).

Cellular Location

Cytoplasm. Cell membrane; Peripheral membrane protein

USP14 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](#)

USP14 Rabbit mAb - Images

