

**OTUB1 Rabbit mAb**  
**Catalog # AP75844****Specification**

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**OTUB1 Rabbit mAb - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IP                 |
| Primary Accession | <a href="#">Q96FW1</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Monoclonal Antibody    |
| Calculated MW     | 31284                  |

**OTUB1 Rabbit mAb - Additional Information****Gene ID** 55611**Other Names**  
OTUB1**Dilution**  
WB~~1/500-1/1000  
IP~~N/A**Format**  
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**  
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**OTUB1 Rabbit mAb - Protein Information****Name** OTUB1**Synonyms** OTB1, OTU1**Function**

Hydrolase that can specifically remove 'Lys-48'-linked conjugated ubiquitin from proteins and plays an important regulatory role at the level of protein turnover by preventing degradation (PubMed:<a href="http://www.uniprot.org/citations/12401499" target="\_blank">12401499</a>, PubMed:<a href="http://www.uniprot.org/citations/12704427" target="\_blank">12704427</a>, PubMed:<a href="http://www.uniprot.org/citations/14661020" target="\_blank">14661020</a>, PubMed:<a href="http://www.uniprot.org/citations/23827681" target="\_blank">23827681</a>). Regulator of T-cell anergy, a phenomenon that occurs when T-cells are rendered unresponsive to antigen rechallenge and no longer respond to their cognate antigen (PubMed:<a href="http://www.uniprot.org/citations/14661020" target="\_blank">14661020</a>). Acts via its interaction with RNF128/GRAIL, a crucial inductor of CD4 T-cell anergy (PubMed:<a href="http://www.uniprot.org/citations/14661020" target="\_blank">14661020</a>). Isoform 1 destabilizes RNF128, leading to prevent anergy (PubMed:<a href="http://www.uniprot.org/citations/14661020" target="\_blank">14661020</a>).

href="http://www.uniprot.org/citations/14661020" target="\_blank">14661020</a>). In contrast, isoform 2 stabilizes RNF128 and promotes anergy (PubMed:<a href="http://www.uniprot.org/citations/14661020" target="\_blank">14661020</a>). Surprisingly, it regulates RNF128- mediated ubiquitination, but does not deubiquitinate polyubiquitinated RNF128 (PubMed:<a href="http://www.uniprot.org/citations/14661020" target="\_blank">14661020</a>). Deubiquitinates estrogen receptor alpha (ESR1) (PubMed:<a href="http://www.uniprot.org/citations/19383985" target="\_blank">19383985</a>). Mediates deubiquitination of 'Lys-48'-linked polyubiquitin chains, but not 'Lys-63'-linked polyubiquitin chains (PubMed:<a href="http://www.uniprot.org/citations/18954305" target="\_blank">18954305</a>, PubMed:<a href="http://www.uniprot.org/citations/19211026" target="\_blank">19211026</a>, PubMed:<a href="http://www.uniprot.org/citations/23827681" target="\_blank">23827681</a>). Not able to cleave di-ubiquitin (PubMed:<a href="http://www.uniprot.org/citations/18954305" target="\_blank">18954305</a>, PubMed:<a href="http://www.uniprot.org/citations/23827681" target="\_blank">23827681</a>). Also capable of removing NEDD8 from NEDD8 conjugates, but with a much lower preference compared to 'Lys-48'-linked ubiquitin (PubMed:<a href="http://www.uniprot.org/citations/18954305" target="\_blank">18954305</a>, PubMed:<a href="http://www.uniprot.org/citations/23827681" target="\_blank">23827681</a>).

#### **Cellular Location**

Cytoplasm {ECO:0000250|UniProtKB:B2RYG6}.

#### **Tissue Location**

Isoform 1 is ubiquitous. Isoform 2 is expressed only in lymphoid tissues such as tonsils, lymph nodes and spleen, as well as peripheral blood mononuclear cells

#### **OTUB1 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](#)

#### **OTUB1 Rabbit mAb - Images**



