

## Otubain-1 Rabbit pAb

CatalogNo: YT5679

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, ELISA

#### MW

- 31kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**ELISA 1:10000**

**Not yet tested in other applications.**

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from Otubain-1 . at AA range: 20-100

**Specificity** Otubain-1 Polyclonal Antibody detects endogenous levels of Otubain-1 protein.

### Target Information

**Gene name** OTUB1

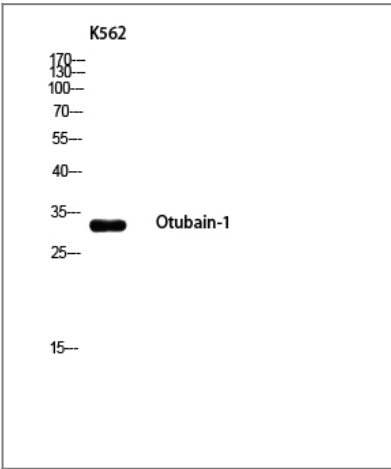
<b>Protein Name</b>	Ubiquitin thioesterase OTUB1		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">55611;</a>	<a href="#">Q96FW1;</a>
	Mouse	<a href="#">107260;</a>	<a href="#">Q7TQI3;</a>
	Rat	<a href="#">293705;</a>	<a href="#">B2RYG6;</a>

**Cellular Localization** Cytoplasm .

**Tissue specificity** 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.

**Function** Function:Hydrolase that can remove conjugated ubiquitin from proteins in vitro and may therefore play an important regulatory role at the level of protein turnover by preventing degradation. 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. Acts via its interaction with RNF128/GRAIL, a crucial inductor of CD4 T-cell anergy. Isoform 1 destabilizes RNF128, leading to prevent anergy. In contrast, isoform 2 stabilizes RNF128 and promotes anergy. Surprisingly, it regulates RNF128-mediated ubiquitination, but does not deubiquitinate polyubiquitinated RNF128.,similarity:Belongs to the peptidase C65 family.,similarity:Contains 1 OTU domain.,subunit:Isoform 1 and isoform 2 interact with RNF128. Isoform 1 forms a ternary complex with RNF128 and USP8. Isoform 1 interacts with the C-terminal UCH catalytic domain of USP8. Isoform 2 does not associate with USP8.,tissue specificity: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.,

## | Validation Data



Western blot analysis of K562 using Otubain-1 antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

## | Contact information

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Please scan the QR code  
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product information:  
**Otubain-1 Rabbit  
pAb**

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