

## ENTPD5 Rabbit pAb

CatalogNo: YN8571

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 47kD (Calculated)

#### Isotype

- IgG

### 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.

### Recommended Dilution Ratios

**WB 1:500-2000**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human ENTPD5

**Specificity** This antibody detects endogenous levels of ENTPD5 at Human, Mouse, Rat

### Target Information

**Gene name** ENTPD5 CD39L4 PCPH

**Protein Name** Ectonucleoside triphosphate diphosphohydrolase 5 (NTPDase 5) (CD39 antigen-like 4) (ER-UDPase) (Guanosine-diphosphatase ENTPD5) (GDPase ENTPD5) (Nucleoside diphosphatase) (Uridine-diphosphatase ENTPD5) (UDPase ENTPD5)

Organism	Gene ID	UniProt ID
Human	<a href="#">957;</a>	<a href="#">O75356;</a>
Mouse	<a href="#">12499;</a>	<a href="#">Q9WUZ9;</a>
Rat	<a href="#">314312;</a>	<a href="#">Q6P6S9;</a>

**Cellular Localization** Endoplasmic reticulum . Secreted .

**Tissue specificity** Expressed in adult liver, kidney, prostate, testis and colon. Much weaker expression in other tissues.

**Function** Hydrolyzes nucleoside diphosphates with a preference for GDP, IDP and UDP compared to ADP and CDP . In the lumen of the endoplasmic reticulum, hydrolyzes UDP that acts as an end-product feedback inhibitor of the UDP-Glc:glycoprotein glucosyltransferases. UMP can be transported back by an UDP-sugar antiporter to the cytosol where it is consumed to regenerate UDP-glucose. Therefore, it positively regulates protein reglucosylation by clearing UDP from the ER lumen and by promoting the regeneration of UDP-glucose. Protein reglucosylation is essential to proper glycoprotein folding and quality control in the ER (By similarity).

## Validation Data

## Contact information

Orders: [order@immunoway.com](mailto:order@immunoway.com)  
Support: [tech@immunoway.com](mailto:tech@immunoway.com)  
Telephone: 877-594-3616 (Toll Free), 408-747-0185  
Website: <http://www.immunoway.com>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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**ENTPD5 Rabbit pAb**

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