

## ATS9 Rabbit pAb

CatalogNo: YN0417

### Key Features

**Host Species**

- Rabbit

**Reactivity**

- Human

**Applications**

- WB,ELISA

**MW**

- 212kD (Observed)

**Isotype**

- IgG

### Recommended Dilution Ratios

**WB 1:500-2000****ELISA 1:5000-20000**

### 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 human protein . at AA range: 210-290

**Specificity**

ATS9 Polyclonal Antibody detects endogenous levels of protein.

### Target Information

**Gene name**

ADAMTS9 KIAA1312

|                       |  |                         |                          |
|-----------------------|--|-------------------------|--------------------------|
| Protein Name          | A disintegrin and metalloproteinase with thrombospondin motifs 9 (ADAM-TS 9) (ADAM-TS9) (ADAMTS-9) (EC 3.4.24.-)   |                         |                          |
|                       | Organism   | Gene ID                 | UniProt ID               |
|                       | Human  | <a href="#">56999</a> ; | <a href="#">Q9P2N4</a> ; |
| Cellular Localization | Secreted, extracellular space, extracellular matrix . Endoplasmic reticulum .  |                         |                          |
| Tissue specificity    | Highly expressed in all fetal tissues. Expressed in a number of adult tissues with highest expression in heart, placenta and skeletal muscle.  |                         |                          |
| Function              | Catalytic activity: Cleaves aggrecan at the 1838-Glu- -Ala-1839 site and versican at the 1428-Glu- -Ala-1429 site., cofactor: Binds 1 zinc ion per subunit., Domain: The ancillary domains, including the TSRs domain, are required for specific extracellular localization and for its versicanase and aggrecanase activities., Domain: The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme., Domain: The spacer domain and the TSP type-1 domains are important for a tight interaction with the extracellular matrix., Function: Cleaves the large aggregating proteoglycans, aggrecan and versican., PTM: The precursor is cleaved by a furin endopeptidase., similarity: Contains 1 disintegrin domain., similarity: Contains 1 GON domain., similarity: Contains 1 peptidase M12B domain., similarity: Contains 15 TSP type-1 domains., tissue specificity: Highly expressed in all fetal tissues. Expressed in a number of adult tissues with highest expression in heart, placenta and skeletal muscle., |                         |                          |

## Validation Data

## Contact information

Orders: [order.cn@immunoway.com](mailto:order.cn@immunoway.com)  
Support: [support.cn@immunoway.com](mailto:support.cn@immunoway.com)  
Telephone: 400-8787-807(China)  
Website: <http://www.immunoway.com.cn>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:  
**ATS9 Rabbit pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)