

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	56999 ;	Q9P2N4 ;

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-I-Ala-1839 site and versican at the 1428-Glu-I-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@immunoway.com
Support: 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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AT59 Rabbit pAb

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