10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ADAMTS7 Rabbit pAb

Catalog # AP98190

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q6P7J9
Other Accession	Q6P7J9
Reactivity	Rat, Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	158 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ADAMTS7
Epitope Specificity	1601-1686/1686
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 disintegrin domain.Contains 1 peptidase M12B domain.Contains 1 PLAC domain.Contains 8 TSP type-1 domains.
SUBUNIT	Interacts with COMP.
Post-translational modifications	N-glycosylated. O-glycosylated proteoglycan. Contains chondroitin sulfate (By similarity). May be cleaved by a furin endopeptidase (By similarity). The precursor is sequentially processed.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Metalloprotease that may play a role in the degradation of COMP. Binds 1 zinc ion per subunit. pH dependence: Optimum pH is between 7.5 and 9.5. [Subcellular location] Secreted, extracellular space, extracellular matrix (By similarity). Note=Also found associated with the external cell surface[Tissue specificity] Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Detected in meniscus, bone, tendon, cartilage, synovium, fat and ligaments. Up-regulated in articular cartilage and synovium from arthritis patients.

Additional Information

Gene ID	11173
Other Names	ADAM-TS 7; ADAM-TS7; ADAMTS-7; Q6P7J9_HUMAN; ATS7_HUMAN; ADAMTS7; 3.4.24.-; ADAM metallopeptidase with thrombospondin type 1 motif 7; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 7; COMPase; a disintegrin and metalloprotease with thrombospondin motifs-7 preproprotein
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ADAMTS7 Rabbit pAb
Function	Metalloprotease that may play a role in the degradation of COMP.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.