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ADAMTS8 Rabbit pAb

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Catalog # AP58333

Product Information

Application	WB, IHC-P, IHC-F, IF
Predicted	Rat, Pig, Dog, Human, Mouse, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ADAMTS8
Epitope Specificity	541-640/889
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted, extracellular space, extracellular matrix (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	ADAMTS proteases are secreted enzymes containing a prometalloprotease domain of the reprolysin type. The ADAMTS proteases function in processing of procollagens and von Willebrand factor as well as catabolism of aggrecan, versican and brevican. They have been demonstrated to have important roles in connective tissue organization, coagulation, inflammation, arthritis, angiogenesis and cell migration. A member of the metalloproteinase family containing disintegrin like domains (ADAMs), the function of ADAMTS8 is still poorly understood. ADAMTS8 contains the canonical HExxHxxxxxH zinc metalloproteinase motif, and has been shown to be proteolytically active on a range of substrates. ADAMTS8 is inhibited by the endogenous MMP inhibitors, TIMP1, 2, 3 and 4, but most efficiently by TIMP3. In addition to the metalloprotease domain, ADAMTS8 has a propeptide domain, a Prohormone Convertase (PC, furin) cleavage site, a cysteine rich domain and thrombospondin 1 like domains.

Additional Information

Other Names	A disintegrin and metalloproteinase with thrombospondin motifs 8, ADAM-TS 8, ADAM-TS8, ADAMTS-8, 3.4.24.-, METH-2, METH-8, ADAMTS8, METH2
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000 -10000
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.

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