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

ADAMTS8 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58333

Specification

ADAMTS8 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, E**
Primary Accession	Q9UP79
Reactivity	**Rat, Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**74 KDa**
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).**
SIMILARITY	**Contains 1 disintegrin domain. Contains 1 peptidase M12B domain. Contains 2 TSP type-1 domains.**
Post-translational modifications	**The precursor is cleaved by a furin endopeptidase (By similarity). Glycosylated. Can be O-fucosylated by POFUT2 on a serine or a threonine residue found within the consensus sequence C1-X(2)-(S/T)-C2-G of the TSP type-1 repeat domains where C1 and C2 are the first and second cysteine residue of the repeat, respectively. Fucosylated repeats can then be further glycosylated by the addition of a beta-1,3-glucose residue by the glucosyltransferase, B3GALTL. Fucosylation mediates the efficient secretion of ADAMTS family members. Also can be C-glycosylated with one or two mannose molecules on tryptophan residues within the consensus sequence W-X-X-W of the TPRs, and N-glycosylated. These other glycosylations can also facilitate secretion (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.

ADAMTS8 Polyclonal Antibody - Additional Information

Gene ID 11095

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

Target/Specificity
Highly expressed in adult and fetal lung, lower expression in brain, placenta, heart, stomach and fetal brain and kidney.

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ 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 ℃.

ADAMTS8 Polyclonal Antibody - Protein Information

Name ADAMTS8

Synonyms METH2

Function
Has anti-angiogenic properties.

Cellular Location
Secreted, extracellular space, extracellular matrix

Tissue Location
Highly expressed in adult and fetal lung, lower expression in brain, placenta, heart, stomach and fetal brain and kidney

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ADAMTS8 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ADAMTS8 Polyclonal Antibody - Images