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

ADAMTS13 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP7438c

Specification

ADAMTS13 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q76LX8

ADAMTS13 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 11093

Other Names
A disintegrin and metalloproteinase with thrombospondin motifs 13, ADAM-TS 13, ADAM-TS13, ADAMTS-13, von Willebrand factor-cleaving protease, vWF-CP, vWF-cleaving protease, ADAMTS13, C9orf8

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7438c was selected from the Center region of human ADAMTS13. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ADAMTS13 Antibody (Center) Blocking Peptide - Protein Information

Name ADAMTS13

Synonyms C9orf8

Function
Cleaves the vWF multimers in plasma into smaller forms thereby controlling vWF-mediated platelet thrombus formation.

Cellular Location
Secreted. Note=Secretion enhanced by O-fucosylation of TSP type-1 repeats

Tissue Location
Plasma. Expressed primarily in liver.

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ADAMTS13 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

ADAMTS13 Antibody (Center) Blocking Peptide - Images

ADAMTS13 Antibody (Center) Blocking Peptide - Background

ADAMTS13 is a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motif) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The enzyme is the von Willebrand Factor (vWF)-cleaving protease, which is responsible for cleaving at the site of Tyr842-Met843 of the vWF molecule. A deficiency of this enzyme is associated with thrombotic thrombocytopenic purpura.

ADAMTS13 Antibody (Center) Blocking Peptide - References

Zheng X., Chung D., Takayama T.K.J. Biol. Chem. 276:41059-41063(2001)Levy G.G., Nichols W.C.Nature 413:488-494(2001) Cal S., Obaya A.J., Llamazares M., Garabaya C.Gene 283:49-62(2002) Zheng X., Nishio K., Majerus E.M.J. Biol. Chem. 278:30136-30141(2003)Anderson P.J., Kokame K., Sadler J.E.J. Biol. Chem. 281:850-857(2006)Pimanda J.E., Maekawa A., Wind T.Blood 103:627-629(2004)Plaimauer B., Fuhrmann J., Mohr G.Blood 107:118-125(2006)