

**ADAMTS10 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP10102a****Specification**

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**ADAMTS10 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9H324</a>
Other Accession	<a href="#">NP_112219.2</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	210-240

**ADAMTS10 Antibody (N-term) - Additional Information****Gene ID** 81794**Other Names**

A disintegrin and metalloproteinase with thrombospondin motifs 10, ADAM-TS 10, ADAM-TS10, ADAMTS-10, 3424-, ADAMTS10

**Target/Specificity**

This ADAMTS10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 210-240 amino acids from the N-terminal region of human ADAMTS10.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ADAMTS10 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ADAMTS10 Antibody (N-term) - Protein Information****Name** ADAMTS10**Function** Metalloprotease that participate in microfibrils assembly. Microfibrils are extracellular

matrix components occurring independently or along with elastin in the formation of elastic tissues.

**Cellular Location**

Secreted, extracellular space, extracellular matrix

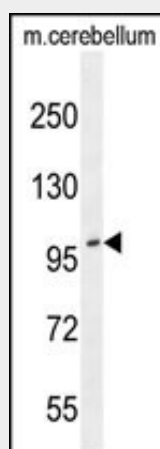
**Tissue Location**

Widely expressed in adult tissues.

**ADAMTS10 Antibody (N-term) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**ADAMTS10 Antibody (N-term) - Images**

ADAMTS10 Antibody (N-term) (Cat. #AP10102a) western blot analysis in mouse cerebellum tissue lysates (35ug/lane). This demonstrates the ADAMTS10 antibody detected the ADAMTS10 protein (arrow).

**ADAMTS10 Antibody (N-term) - Background**

This gene belongs to the ADAMTS (a disintegrin and metalloproteinase domain with thrombospondin type-1 motifs) family of zinc-dependent proteases. ADAMTS proteases are complex secreted enzymes containing a prometalloprotease domain of the reprotolysin type attached to an ancillary domain with a highly conserved structure that includes at least one thrombospondin type 1 repeat. They have been demonstrated to have important roles in connective tissue organization, coagulation, inflammation, arthritis, angiogenesis and cell migration. The product of this gene plays a major role in growth and in skin, lens, and heart development. It

is also a candidate gene for autosomal recessive Weill-Marchesani syndrome.

#### **ADAMTS10 Antibody (N-term) - References**

Morales, J., et al. Am. J. Hum. Genet. 85(5):558-568(2009)  
Ben Yahia, S., et al. J. Hum. Genet. 54(9):550-553(2009)  
Kutz, W.E., et al. Hum. Mutat. 29(12):1425-1434(2008)  
Gudbjartsson, D.F., et al. Nat. Genet. 40(5):609-615(2008)  
Dagoneau, N., et al. Am. J. Hum. Genet. 75(5):801-806(2004)