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ADAMTS10 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10102a

Product Information

Application	WB, E
Primary Accession	Q9H324
Other Accession	NP_112219.2
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB17780
Calculated MW	120874
Antigen Region	210-240

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 0.05% (V/V) Proclin 300. 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.

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.

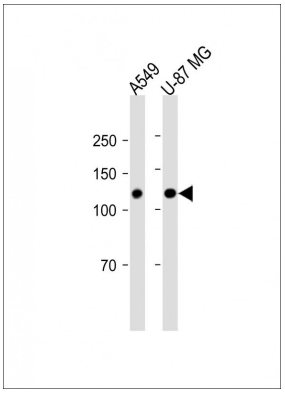
Background

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 reprolysin 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.

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)

Images



All lanes: Anti-ADAMTS10 Antibody (N-term) at 1:2000 dilution Lane 1: A549 whole cell lysate Lane 2: U-87 MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 120 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

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