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# ADAMTS10 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10102a

## Product Information

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

## Additional Information

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| **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

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| **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. |

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| **Cellular Location** | Secreted, extracellular space, extracellular matrix |
| **Tissue Location** | Widely expressed in adult tissues. |

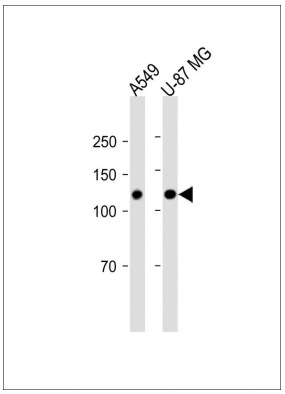
## Background

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'.