

**ADAMTS5 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13847A****Specification**

---

**ADAMTS5 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q9UNA0</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	101718
Antigen Region	26-54

**ADAMTS5 Antibody (N-term) - Additional Information****Gene ID** 11096**Other Names**

A disintegrin and metalloproteinase with thrombospondin motifs 5, ADAM-TS 5, ADAM-TS5, ADAMTS-5, 3424-, A disintegrin and metalloproteinase with thrombospondin motifs 11, ADAM-TS 11, ADAMTS-11, ADMP-2, Aggrecanase-2, ADAMTS5, ADAMTS11, ADMP2

**Target/Specificity**

This ADAMTS5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 26-54 amino acids from the N-terminal region of human ADAMTS5.

**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**

ADAMTS5 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ADAMTS5 Antibody (N-term) - Protein Information****Name** ADAMTS5

**Synonyms** ADAMTS11, ADMP2

**Function** Metalloproteinase that plays an important role in connective tissue organization, development, inflammation and cell migration. Extracellular matrix (ECM) degrading enzyme that show proteolytic activity toward the hyalectan group of chondroitin sulfate proteoglycans (CSPGs) including ACAN, VCAN, BCAN and NCAN (PubMed:[16133547](#), PubMed:[18992360](#)). Cleavage within the hyalectans occurs at Glu-Xaa recognition motifs. Plays a role in embryonic development, including limb and cardiac morphogenesis, and skeletal muscle development through its VCAN remodeling properties. Cleaves VCAN in the pericellular matrix surrounding myoblasts, facilitating myoblast contact and fusion which is required for skeletal muscle development and regeneration (By similarity). Participates in development of brown adipose tissue and browning of white adipose tissue (By similarity). Plays an important role for T-lymphocyte migration from draining lymph nodes following viral infection.

**Cellular Location**

Secreted, extracellular space, extracellular matrix

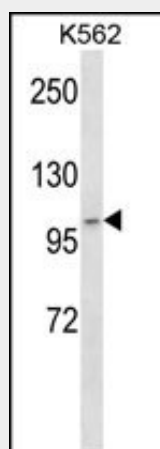
**Tissue Location**

Expressed at low level in placenta primarily but also detected in heart and brain, cervix, uterus, bladder, esophagus, rib cartilage, chondroblastoma, fibrous tissue and a joint capsule from an arthritic patient

**ADAMTS5 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](#)

**ADAMTS5 Antibody (N-term) - Images**

ADAMTS5 Antibody (N-term) (Cat. #AP13847a) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the ADAMTS5 antibody detected the ADAMTS5 protein (arrow).

**ADAMTS5 Antibody (N-term) - Background**

ADAMTS5 cleaves aggrecan, a cartilage proteoglycan, and may be involved in its turnover. May play an important role in the destruction of aggrecan in arthritic diseases. May play a role in proteolytic processing mostly during the peri-implantation period.