

**ADAMTS5 Antibody**  
**Catalog # ASC11105****Specification****ADAMTS5 Antibody - Product Information**

Application	WB, IHC-P, IF, E
Primary Accession	<a href="#">Q6ZMM2</a>
Other Accession	<a href="#">NP_998769, 226442878</a>
Reactivity	Human, Mouse, Rat
Host	Chicken
Clonality	Polyclonal
Isotype	IgY
Application Notes	ADAMTS5 antibody can be used for detection of ADAMTS5 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

**ADAMTS5 Antibody - Additional Information**

Gene ID	<b>339366</b>
Target/Specificity	ADAMTS5;

**Reconstitution & Storage**

ADAMTS5 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions**

ADAMTS5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**ADAMTS5 Antibody - Protein Information****Name** ADAMTS5**Synonyms** THSD6**Function**

May play a role in modulation of fibrillin microfibrils in the extracellular matrix (ECM).

**Cellular Location**

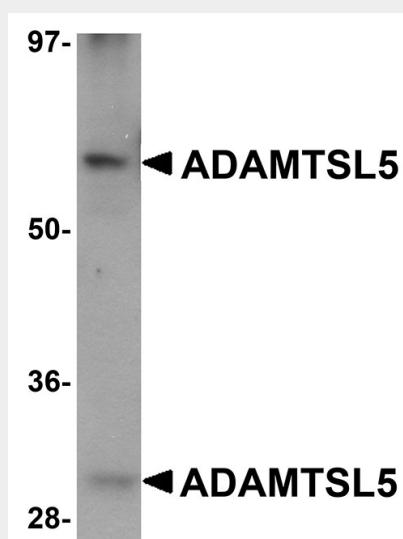
Secreted. Secreted, extracellular space, extracellular matrix. Note=Colocalized with fibrillin microfibrils. Predominantly distributed in baso-lateral regions of fibroblast extracellular matrix

## ADAMTS5 Antibody - Protocols

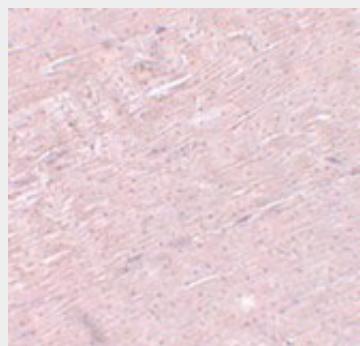
Provided below are standard protocols that you may find useful for product applications.

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

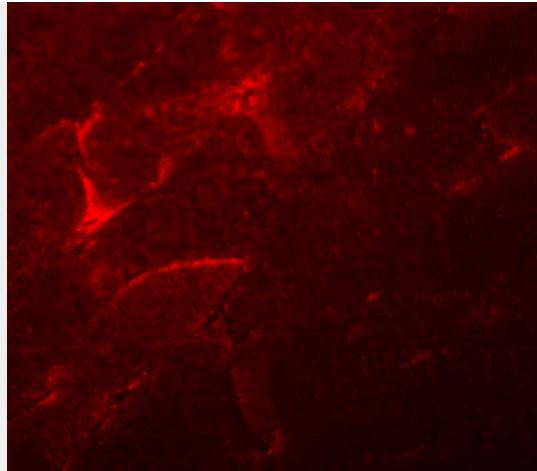
## ADAMTS5 Antibody - Images



Western blot analysis of ADAMTS5 in human skeletal muscle tissue lysate with ADAMTS5 antibody at 1  $\mu$ g/mL.



Immunohistochemistry of ADAMTS5 in mouse skeletal muscle tissue with ADAMTS5 antibody at 5  $\mu$ g/mL.



Immunofluorescence of ADAMTSL5 in mouse skeletal muscle tissue with ADAMTSL5 antibody at 20 µg/mL.

#### **ADAMTSL5 Antibody - Background**

ADAMTSL5 Antibody: ADAMTSL5 belongs to a large superfamily containing 20 ADAMTS proteases and at least eight ADAMTS-like proteins. ADAMTS proteases are secreted enzymes with a conserved organization that includes a metalloprotease domain and an ancillary domain containing one or more thrombospondin type 1 repeats (TSR). The ADAMTS-like subfamily comprises proteins homologous to the ADAMTS ancillary domains but lacking the protease domain and hence lacking catalytic activity. The exact role of ADAMTSL5 is currently unknown, but other ADAMTS-like proteins appear to have regulatory roles in the extracellular matrix.

#### **ADAMTSL5 Antibody - References**

Jones GC and Riley GP. ADAMTS proteinases: a multi-domain, multi-functional family with roles in extracellular matrix turnover and arthritis. *Arth. Res. and Ther.* 2005; 7:160-9.

Apte SS. A disintegrin-like and metalloprotease (reprolysin-type) with thrombospondin type 1 motif (ADAMTS) superfamily: functions and mechanisms. *J. Biol. Chem.* 2009; 284:31493-7.