

ADAMTS18 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8906B**Specification**

ADAMTS18 Antibody (C-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	Q8TE60
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	1066-1095

ADAMTS18 Antibody (C-term) - Additional Information**Gene ID** 170692**Other Names**

A disintegrin and metalloproteinase with thrombospondin motifs 18, ADAM-TS 18, ADAM-TS18, ADAMTS-18, 3424-, ADAMTS18, ADAMTS21

Target/Specificity

This ADAMTS18 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1066-1095 amino acids from the C-terminal region of human ADAMTS18.

Dilution

WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

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

ADAMTS18 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ADAMTS18 Antibody (C-term) - Protein Information**Name** ADAMTS18**Synonyms** ADAMTS21

Cellular Location

Secreted, extracellular space, extracellular matrix

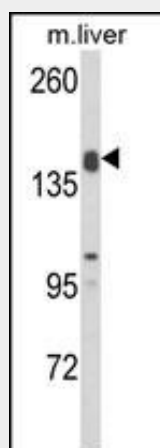
Tissue Location

Expressed in fetal lung, liver, and kidney and in adult brain, prostate, submaxillary gland, and endothelium

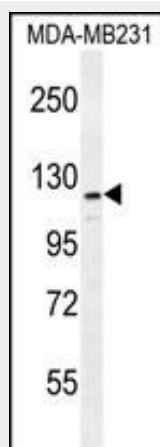
ADAMTS18 Antibody (C-term) - Protocols

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

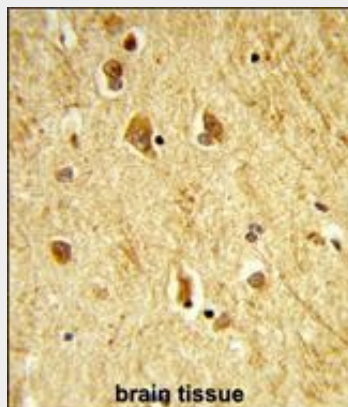
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ADAMTS18 Antibody (C-term) - Images

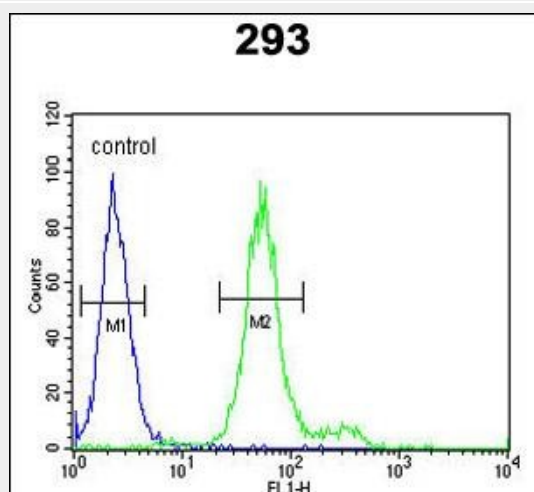
Western blot analysis of ADAMTS18 Antibody (C-term) (Cat. #AP8906b) in mouse liver tissue lysates (35ug/lane). ADAMTS18 (arrow) was detected using the purified Pab.



ADAMTS18 Antibody (C-term) (Cat. #AP8906b) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the ADAMTS18 antibody detected the ADAMTS18 protein (arrow).



Formalin-fixed and paraffin-embedded human brain tissue reacted with ADAMTS18 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



ADAMTS18 Antibody (C-term) (Cat. #AP8906b) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADAMTS18 Antibody (C-term) - Background

ADAMTS18 is a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. ADAMTS family members share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. This protein has a high sequence similarity to the protein encoded by gene ADAMTS16, another family member. It is thought to function as a tumor suppressor.

ADAMTS18 Antibody (C-term) - References

Zeng, W., et al., Biochim. Biophys. Acta 1760 (3), 517-524 (2006)
Jin, H., et al., Oncogene 26 (53), 7490-7498 (2007)

ADAMTS18 Antibody (C-term) - Citations

- [The JAK2V617F oncogene requires expression of inducible phosphofructokinase/fructose-bisphosphatase 3 for cell growth and increased metabolic activity.](#)
- [Identification of ADAMTS18 as a gene mutated in Knobloch syndrome.](#)