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ADAMTS18 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8906B

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q8TE60
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	135167
Antigen Region	1066-1095

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~~1:100~500 FC~~1:10~50 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	ADAMTS18 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

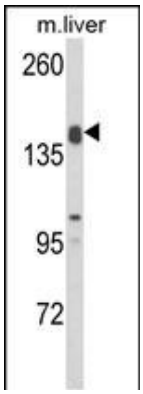
Background

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.

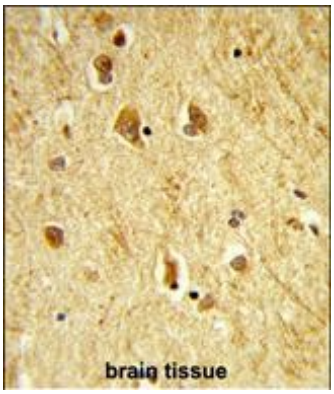
References

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

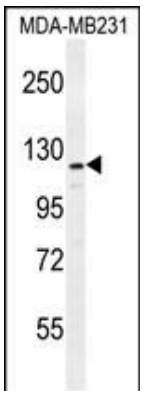
Images



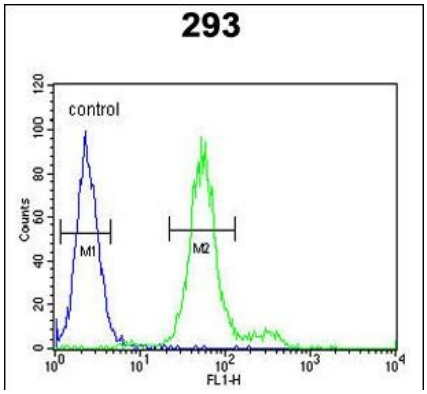
Western blot analysis of ADAMTS18 Antibody (C-term) (Cat. #AP8906b) in mouse liver tissue lysates (35ug/lane). ADAMTS18 (arrow) was detected using the purified Pab.



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



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.

Citations

- Identification of ADAMTS18 as a gene mutated in Knobloch syndrome.