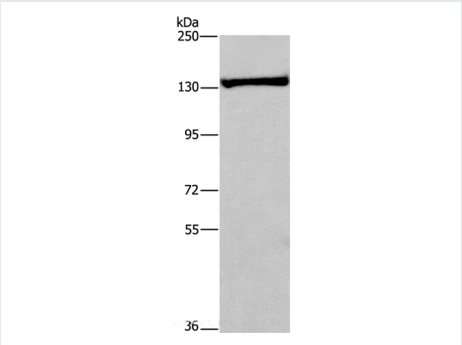
ADAMTS18 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ADAMTS18, Polyclonal Antibody
Full Product Name	ADAMTS18 Polyclonal Antibody
Product Gene Name	anti-ADAMTS18 antibody
Product Synonym Names	KNO2; MMCAT; ADAMTS21
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Purity/Purification	Affinity purification
Concentration	0.3mg/mL (lot specific)
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.
OMIM	607512
3D Structure	ModBase 3D Structure for Q8TE60
Immunogen	Synthetic peptide of human ADAMTS18
Calculated Molecular Weight	135kDa
Observed molecular weight	refer to figures
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Product Categories/Family for anti-ADAMTS18 antibody	Cell biology; Epigenetics
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ADAMTS18 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-ADAMTS18 antibody	WB: 1:200-1:1000
Related Product Information for anti-ADAMTS18 antibody	This gene encodes 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. The protein encoded by this gene has a high sequence similarity to the protein encoded by gene ADAMTS16, another family member. It is thought to function as a tumor suppressor. Alternatively spliced transcript variants have been identified, but their biological validity has not been determined.
Other Notes	Small volumes of anti-ADAMTS18 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ADAMTS18 purchase	MBS2521398 is an antibody targeting ADAMTS18. Also known as ADAMTS18 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-ADAMTS18 antibody
Western Blot analysis of Human prostate tissue using ADAMTS18 Polyclonal Antibody at dilution of 1:250

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ADAMTS18. It may not necessarily be applicable to this product.

NCBI GI #	40806187
NCBI GeneID	170692
NCBI Accession #	NP_955387
UniProt Primary Accession #	Q8TE60
UniProt Secondary Accession #	Q6P4R5; Q6ZWJ9
UniProt Related Accession #	Q8TE60
GenBank Nucleotide #	NM_199355.2
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 18 preproprotein
NCBI Official Synonym Full Names	ADAM metallopeptidase with thrombospondin type 1 motif, 18
NCBI Official Symbol	ADAMTS18
NCBI Official Synonym Symbols	KNO2; MMCAT; ADAMTS21
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 18
Protein Family	A disintegrin and metalloproteinase with thrombospondin motifs
UniProt Gene Name	ADAMTS18
UniProt Synonym Gene Names	ADAMTS21; ADAM-TS 18; ADAM-TS18; ADAMTS-18
UniProt Entry Name	ATS18_HUMAN
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 18; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 18; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 21; disintegrin and metalloprotease-like protein

UniProt Comments for ADAMTS18	ADAMTS18: Defects in ADAMTS18 are the cause of Knobloch syndrome type 2 (KNO2). A developmental disorder primarily characterized by typical eye abnormalities, including high myopia, cataracts, dislocated lens, vitreoretinal degeneration, and retinal detachment, with occipital skull defects, which can range from occipital encephalocele to occult cutis aplasia. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Protease; EC 3.4.24.-; Motility/polarity/chemotaxis; Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 16q23 Cellular Component: proteinaceous extracellular matrix Molecular Function: zinc ion binding; metalloendopeptidase activity Biological Process: eye development; proteolysis Disease: Microcornea, Myopic Chorioretinal Atrophy, And Telecanthus
Research Articles on ADAMTS18	**1.** Novel homozygous mutations in ADAMTS18 were identified, consisting of c.1067T>A [p.L356*] in the first proband, c.2159G>C [p.C720S] in the 2 affected brothers
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