



ADAMTS-18 Monoclonal Antibody

Catalog No	YP-mAb-02884
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ADAMTS18
Immunogen	Synthesized peptide derived from ADAMTS-18 . at AA range: 1030-1110
Specificity	ADAMTS-18 Monoclonal Antibody detects endogenous levels of ADAMTS-18 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ADAM TS 18;ADAM TS18;ADAMTS 18;ADAMTS18;ADAMTS21;ADAMTS-18;A disintegrin and metalloproteinase with thrombospondin motifs 18;ADAM-TS 18; ADAM-TS18
Observed Band	135kD
Calculated Molecular Weight	135kD
Cell Pathway	Secreted, extracellular space, extracellular matrix .
Tissue Specificity	Expressed in fetal lung, liver, and kidney and in adult brain, prostate, submaxillary gland, and endothelium.
Function	cofactor: Binds 1 zinc ion per subunit.,domain: The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.,PTM: The precursor is cleaved by a furin endopeptidase.,similarity: Contains 1 disintegrin domain.,similarity: Contains 1 peptidase M12B domain.,similarity: Contains 1 PLAC domain.,similarity: Contains 5 TSP type-1 domains.,tissue specificity: Expressed in fetal lung, liver, and kidney and in adult brain, prostate, submaxillary gland, and endothelium.,



Background

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 encoded preproprotein is proteolytically processed to generate the mature protein, which may regulate hemostatic balance and function as a tumor suppressor. Mutations in this gene may be associated with microcornea, myopic chorioretinal atrophy, and telecanthus (MMCAT) and cone-rod dystrophy in human patients. [provided by RefSeq, May 2016],

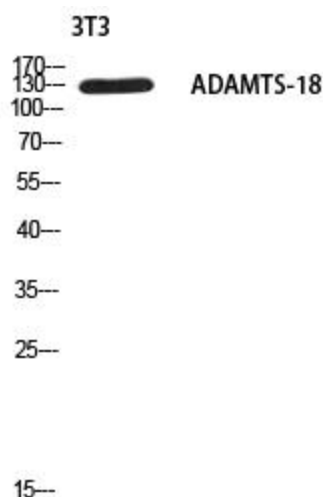
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using ADAMTS-18 Monoclonal Antibody