

ADAMTS-18 Polyclonal Antibody

Catalog No :	YT5670
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	ADAMTS-18
Gene Name :	ADAMTS18
Protein Name :	A disintegrin and metalloproteinase with thrombospondin motifs 18
Human Gene Id :	170692
Human Swiss Prot No :	Q8TE60
Mouse Gene Id :	208936
Mouse Swiss Prot No :	Q4VC17
Immunogen :	Synthesized peptide derived from ADAMTS-18 . at AA range: 1030-1110
Specificity :	ADAMTS-18 Polyclonal Antibody detects endogenous levels of ADAMTS-18 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 135kD**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],

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.,

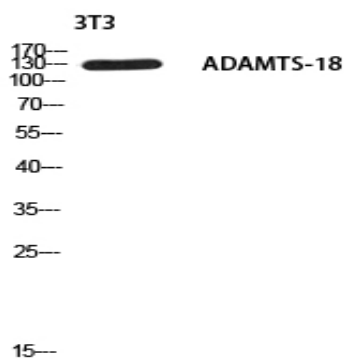
Subcellular Location :

Secreted, extracellular space, extracellular matrix .

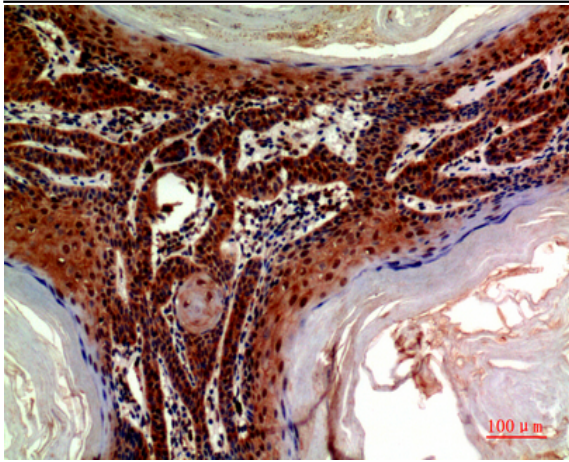
Expression :

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

Products Images



Western blot analysis of 3T3 using ADAMTS-18 antibody.
Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human skin, antibody was diluted at 1:200