

**ADAMTS-18 Polyclonal Antibody**

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

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**Observed Band :** 135kD

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**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],

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**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.,

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**Subcellular Location :** Secreted, extracellular space, extracellular matrix .

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

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**Sort :** 1733

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**No4 :** 1

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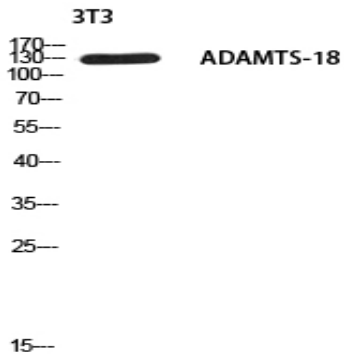
**Host :** Rabbit

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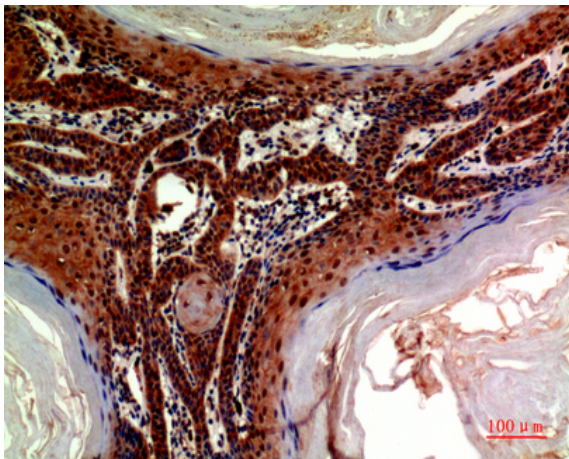
**Modifications :** Unmodified

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**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