

**ADAMTS-12 Polyclonal Antibody**

<b>Catalog No :</b>	YT0113
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	ADAMTS-12
<b>Gene Name :</b>	ADAMTS12
<b>Protein Name :</b>	A disintegrin and metalloproteinase with thrombospondin motifs 12
<b>Human Gene Id :</b>	81792
<b>Human Swiss Prot No :</b>	P58397
<b>Mouse Swiss Prot No :</b>	Q811B3
<b>Immunogen :</b>	Synthesized peptide derived from ADAMTS-12 . at AA range: 1100-1180
<b>Specificity :</b>	ADAMTS-12 Polyclonal Antibody detects endogenous levels of ADAMTS-12 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>	IHC 1:100 - 1:300. ELISA: 1:20000.. 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)
<b>Molecularweight :</b>	178kD

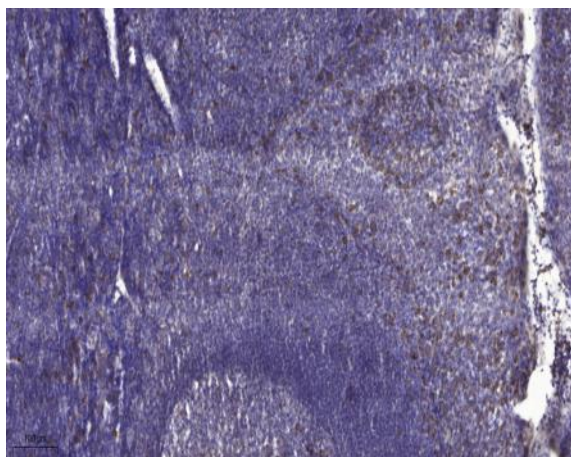
**Background :** This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS-1) motif. Individual members of this family differ in the number of C-terminal TS-1 motifs, and some have unique C-terminal domains. The enzyme encoded by this gene contains eight TS-1 motifs. It may play roles in pulmonary cells during fetal development or in tumor processes through its proteolytic activity or as a molecule potentially involved in regulation of cell adhesion. [provided by RefSeq, Jul 2008],

**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., domain: The spacer domain and the TSP type-1 domains are important for a tight interaction with the extracellular matrix., PTM: Subjected to an intracellular maturation process yielding a 120 kDa N-terminal fragment containing the metalloproteinase, disintegrin, one TSP type-1 and the Cys-rich domains and a 83 kDa C-terminal fragment containing the spacer 2 and four TSP type-1 domains., 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 8 TSP type-1 domains., tissue specificity: Exp

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

**Expression :** Expressed in skeletal muscle and fat.

## Products Images



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA, pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 30min).