

**ADAMTS-16 Polyclonal Antibody**

<b>Catalog No :</b>	YT0114
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	ADAMTS-16
<b>Gene Name :</b>	ADAMTS16
<b>Protein Name :</b>	A disintegrin and metalloproteinase with thrombospondin motifs 16
<b>Human Gene Id :</b>	170690
<b>Human Swiss Prot No :</b>	Q8TE57
<b>Mouse Gene Id :</b>	271127
<b>Mouse Swiss Prot No :</b>	Q69Z28
<b>Immunogen :</b>	Synthesized peptide derived from ADAMTS-16 . at AA range: 440-520
<b>Specificity :</b>	ADAMTS-16 Polyclonal Antibody detects endogenous levels of ADAMTS-16 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: 1:40000.. 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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**Molecularweight :** 136kD

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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 inhibit chondrosarcoma cell proliferation and migration. This gene may regulate blood pressure. [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., domain: The spacer domain and the TSP type-1 domains are important for a tight interaction with the extracellular matrix., 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 6 TSP type-1 domains., tissue specificity: Expressed in fetal lung and kidney and in adult prostate and ovary.,

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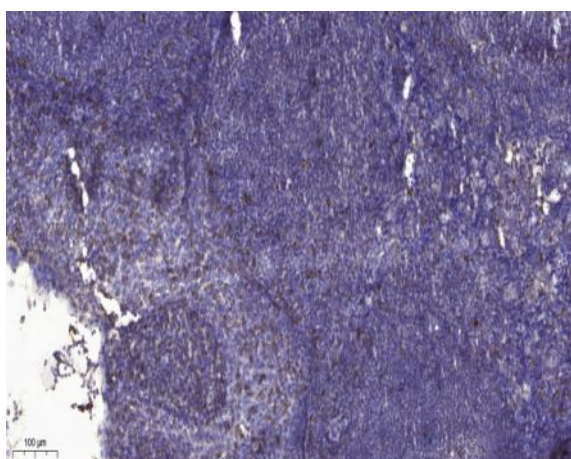
**Subcellular Location :** Secreted, extracellular space, extracellular matrix .

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**Expression :** Expressed in fetal lung and kidney and in adult prostate and ovary.

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## 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).