

**ADAMTS-17 Polyclonal Antibody**

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|------------------------------|---|
| <b>Catalog No :</b>          | YT0115  |
| <b>Reactivity :</b>          | Human;Mouse   |
| <b>Applications :</b>        | IHC;IF;ELISA  |
| <b>Target :</b>              | ADAMTS-17   |
| <b>Gene Name :</b>           | ADAMTS17  |
| <b>Protein Name :</b>        | A disintegrin and metalloproteinase with thrombospondin motifs 17   |
| <b>Human Gene Id :</b>       | 170691  |
| <b>Human Swiss Prot No :</b> | Q8TE56  |
| <b>Immunogen :</b>           | Synthesized peptide derived from ADAMTS-17 . at AA range: 150-230   |
| <b>Specificity :</b>         | ADAMTS-17 Polyclonal Antibody detects endogenous levels of ADAMTS-17 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>     | 121kD   |
| <b>Background :</b>          | 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 promote breast cancer cell growth and survival. Mutations in this gene are associated with a Weill-Marchesani-like syndrome, which is characterized by lenticular myopia, ectopia lentis, glaucoma, spherophakia, and short stature. [provided by RefSeq, May 2016],

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**Function :**

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, in adult brain, prostate, and liver.,

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**Subcellular Location :**

Secreted, extracellular space, extracellular matrix .

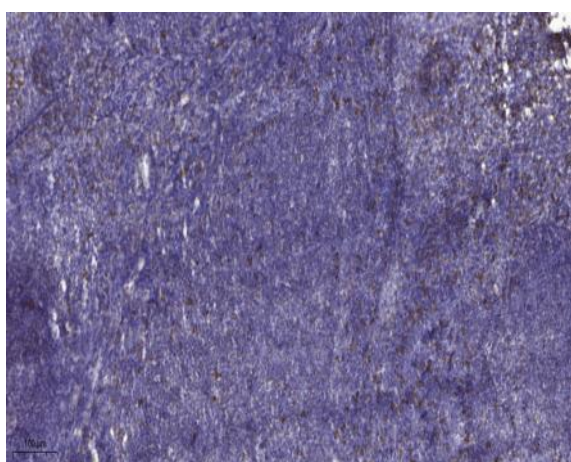
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**Expression :**

Isoform 1 and isoform 2 are expressed at high levels in the lung, brain, whole eye and retina. Isoform 1 shows a weaker expression in the heart, kidney and skeletal muscle. Isoform 2 shows a weaker expression in the kidney, bone marrow and skeletal muscle. Isoform 1 and isoform 2 are expressed at high levels in the fetal heart, kidney, and whole eye, whereas a weak expression is seen in the fetal liver.

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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).