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## Peptide-affinity Purified Polyclonal Antibody to ADAMTS4/Aggrecanase-1/ADAM metalloproteinase with thrombospondin type 1 motif, 4 preproprotein

**Catalog No :** IMG-71924  
**Formulation :** 0.05 mg of purified antibody at a concentration of 1 mg/ml. Phosphate buffered saline, pH 7.7, containing 0.01% sodium azide  
**Isotype :** Rabbit IgG  
**Clone :** N/A  
**Purification :** Antigen Affinity Chromatography  
**Species React :** Human  
**Host :** Rabbit

**Application**  
IHC (paraffin): 2.5-20 ug/ml  
**Storage**  
Store at -20°C. For long term storage, store at -70°C

**Recommended Positive Control:** Human Cartilage

### Background

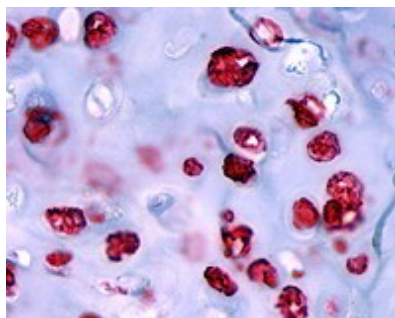
ADAMTS4, also known as aggrecanase-1, is a Metalloproteinase M12B type protease that is responsible for degradation of the articular cartilage protein aggrecan and the brain extracellular matrix proteoglycan brevican. The ADAMTS4 protein contains a signal sequence, a propeptide domain, a catalytic domain, a disintegrin-like motif, and a C-terminal domain with a thrombospondin (TSP) type 1 motif. ADAMTS4 has been implicated in inflammatory joint diseases, and it also may be a factor in the progression of glioma and Alzheimer's disease. ADAMTS4 expression has been documented in normal human brain, cartilage, heart, lung, placenta, muscle, and synovium. ESTs have been isolated from human tissue libraries, including normal brain, lung, pancreas, and skeletal muscle and cancerous breast.

### Antigen

Synthetic peptide corresponding to the Disintegrin-like domain of human A Disintegrin-like and Metalloproteinase with Thrombospondin Type 1 Motif 4 (ADAMTS4)

### Genebank Info (Protein)

NP\_005090



IHC analysis of Cartilage using IMG-71924 at 2.5 ug/ ml.

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