

ADAMTS4 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS10392**Specification**

ADAMTS4 Antibody (Internal) - Product Information

Application	IHC-P
Primary Accession	O75173
Reactivity	Human, Monkey, Horse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	90kDa KDa
Dilution	IHC-P~~N/A

ADAMTS4 Antibody (Internal) - Additional Information**Gene ID** 9507**Other Names**

A disintegrin and metalloproteinase with thrombospondin motifs 4, ADAM-TS 4, ADAM-TS4, ADAMTS-4, 3.4.24.82, ADMP-1, Aggrecanase-1, ADAMTS4, KIAA0688

Target/Specificity

Human ADAMTS4. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except ADAMTS8 (53%).

Reconstitution & Storage

Store at 4°C for short term applications. For long term storage, aliquot and store at -20°C.

Precautions

ADAMTS4 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

ADAMTS4 Antibody (Internal) - Protein Information**Name** ADAMTS4**Synonyms** KIAA0688**Function**

Cleaves aggrecan, a cartilage proteoglycan, at the '392- Glu-|-Ala-393' site and may be involved in its turnover (PubMed: 10356395, PubMed: 10827174). Also cleaves COMP (PubMed: 39672391). May play an important role in the destruction of aggrecan in arthritic diseases. Could be a critical factor in the exacerbation of neurodegeneration in Alzheimer disease.

Cellular Location

Secreted, extracellular space, extracellular matrix

Tissue Location

Expressed in brain, lung and heart (PubMed:23897278). Expressed at very low level in placenta and skeletal muscles (PubMed:23897278). Isoform 2: Detected in osteoarthritic synovium (PubMed:16723216, PubMed:23897278)

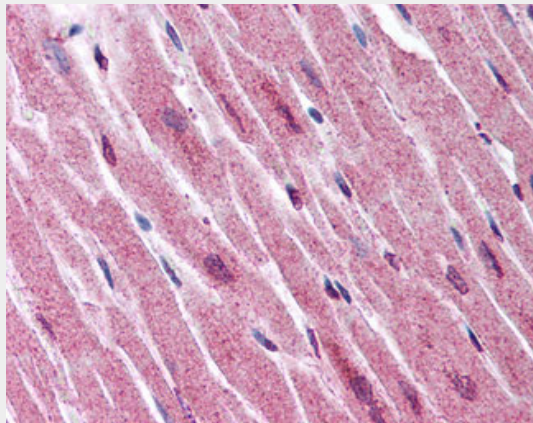
Volume

50 µl

ADAMTS4 Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ADAMTS4 Antibody (Internal) - Images

Anti-ADAMTS4 antibody ALS10392 IHC of human heart.

ADAMTS4 Antibody (Internal) - Background

Cleaves aggrecan, a cartilage proteoglycan, and may be involved in its turnover. May play an important role in the destruction of aggrecan in arthritic diseases. Could also be a critical factor in the exacerbation of neurodegeneration in Alzheimer disease. Cleaves aggrecan at the '392-Glu-|-Ala-393' site.

ADAMTS4 Antibody (Internal) - References

Tortorella M.D., et al. Science 284:1664-1666(1999).
Wainwright S.D., et al. Matrix Biol. 25:317-320(2006).
Sawaji Y., et al. Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
Ishikawa K., et al. DNA Res. 5:169-176(1998).

Clark H.F.,et al.Genome Res. 13:2265-2270(2003).