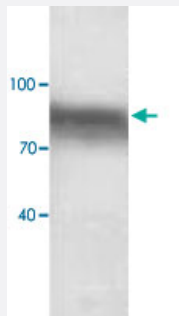


ADAMTS4 polyclonal antibody

Catalog # PAB18812 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of human fetal brain lysate with ADAMTS4 polyclonal antibody (Cat # PAB18812) at 1 : 1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin-fixed paraffin-embedded human brain tissue with ADAMTS4 polyclonal antibody (Cat # PAB18812) at 1 : 200 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ADAMTS4.
Immunogen	A synthetic peptide corresponding to amino acids at C-terminus of human ADAMTS4.
Host	Rabbit
Reactivity	Human
Form	Liquid

Recommend Usage	ELISA (1:160000) Western Blot (1:200-1:500) Immunohistochemistry (1:100-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In buffer containing 0.02% sodium azide
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — ADAMTS4

Entrez GeneID	9507
Gene Name	ADAMTS4
Gene Alias	ADAMTS-2, ADAMTS-4, ADMP-1, KIAA0688
Gene Description	ADAM metalloproteinase with thrombospondin type 1 motif, 4
Omim ID	603876
Gene Ontology	Hyperlink

Gene Summary

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) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The enzyme encoded by this gene lacks a C-terminal TS motif. It is responsible for the degradation of aggrecan, a major proteoglycan of cartilage, and brevican, a brain-specific extracellular matrix protein. The cleavage of aggrecan and brevican suggests key roles of this enzyme in arthritic disease and in the central nervous system, potentially, in the progression of glioma. [provided by RefSeq]

Other Designations

OTTHUMP00000032249|a disintegrin-like and metalloprotease (repolysin type) with thrombospondin type 1 motif, 4|aggrecanase-1

Disease

- [Dominance](#)
- [Schizophrenia](#)