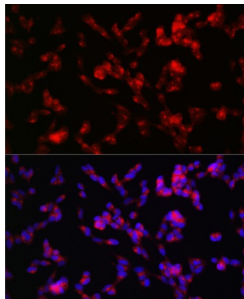


ADAM Metallopeptidase With Thrombospondin Type 1 Motif 4 (ADAMTS4) Antibody

Catalogue No.: abx001965



Immunofluorescence analysis of SH-SY5Y cells using ADAMTS4 Antibody (1/100 dilution, 40x lens). Blue: DAPI for nuclear staining.

ADAMTS4 Antibody is a Rabbit Polyclonal antibody against ADAMTS4. 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.

Target:	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 4 (ADAMTS4)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	IF/ICC
Host:	Rabbit
Recommended dilutions:	IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein corresponding to human ADAMTS4
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

Datasheet

Version: 5.0.0
Revision date: 25 Feb 2025



UniProt Primary AC: O75173 ([UniProt](#), [ExPASy](#))

Gene Symbol: ADAMTS4

GeneID: [9507](#)

NCBI Accession: NP_005090.3

KEGG: hsa:9507

String: [9606.ENSP00000356975](#)

Molecular Weight: Calculated MW: 90 kDa
Observed MW: 90 kDa

Buffer: PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.

Concentration: 1 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only