

ADAMTS4 Antibody

Catalog No: #32691



Package Size: #32691-1 50ul #32691-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	ADAMTS4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	IF
Species Reactivity	Human
Specificity	The antibody detects endogenous level of total ADAMTS4 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human ADAMTS4.
Target Name	ADAMTS4
Other Names	ADMP-1; ADAMTS-2; ADAMTS-4;
Accession No.	Swiss-Prot:O75173NCBI Gene ID:9507
Uniprot	O75173
GeneID	9507;
SDS-PAGE MW	90KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

IF 1:50 - 1:200

Background

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.

Note: This product is for in vitro research use only