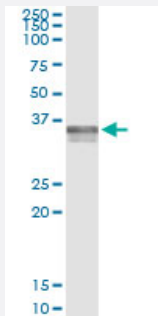


ADAMTS4 monoclonal antibody (M01), clone 2A6

Catalog # H00009507-M01

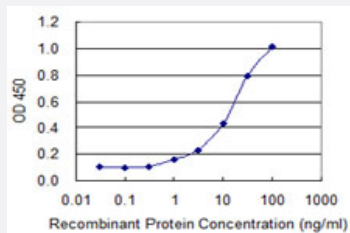
Size 100 ug

Applications



Immunoprecipitation

Immunoprecipitation of ADAMTS4 transfected lysate using anti-ADAMTS4 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with ADAMTS4 MaxPab rabbit polyclonal antibody.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ADAMTS4 is 0.3 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ADAMTS4.
Immunogen	ADAMTS4 (AAH63293, 693 a.a. ~ 802 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	RKFRYGYNVVTIPAGATHILVRQQGNPGHRSLALKLPDGSYALNGEYTLMPSPDVLPGAVSL RYSGATAASETLSGHGPLAQPLTLQVLVAGNPQDTRLRYSFFV
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Rat (84)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunoprecipitation

Immunoprecipitation of ADAMTS4 transfected lysate using anti-ADAMTS4 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with ADAMTS4 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ADAMTS4 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ADAMTS4

Entrez GeneID	9507
GeneBank Accession#	BC063293
Protein Accession#	AAH63293
Gene Name	ADAMTS4
Gene Alias	ADAMTS-2, ADAMTS-4, ADMP-1, KIAA0688
Gene Description	ADAM metallopeptidase 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 (reprolysin type) with thrombospondin type 1 motif, 4|aggrecanase-1

Disease

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