



Rabbit Anti-ADAMTS4 antibody

SL4191R

Product Name:	ADAMTS4
Chinese Name:	整合素样金属蛋白酶与凝血酶4型抗体
Alias:	ADAMTS 4; A disintegrin and metalloproteinase with thrombospondin motifs 4; A disintegrin like and metalloprotease (reprolysin type) with thrombospondin type 1 motif 4; A disintegrin like and metalloprotease with thrombospondin type 1 motif 4; ADAM metalloproteinase with thrombospondin type 1 motif 4; ADAM TS 4; ADAM TS4; ADAMTS 2; ADAMTS2; ADAMTS4 protein; ADMP 1; ADMP1; Aggrecanase 1; Aggrecanase1; KIAA0688.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	90kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ADAMTS4:501-839/839
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

Function:

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.

Subcellular Location:

Secreted > extracellular space > extracellular matrix.

Tissue Specificity:

Expressed in brain, lung and heart. Expressed at very low level in placenta and skeletal muscles.

Post-translational modifications:

The precursor is cleaved by a furin endopeptidase.

Similarity:

Contains 1 disintegrin domain.

Contains 1 peptidase M12B domain.

Contains 1 TSP type-1 domain.

SWISS:

O75173

Gene ID:

9507

Database links:

[Entrez Gene: 9507](#) Human

[Entrez Gene: 240913](#) Mouse

[Omim: 603876](#) Human

[SwissProt: O75173](#) Human

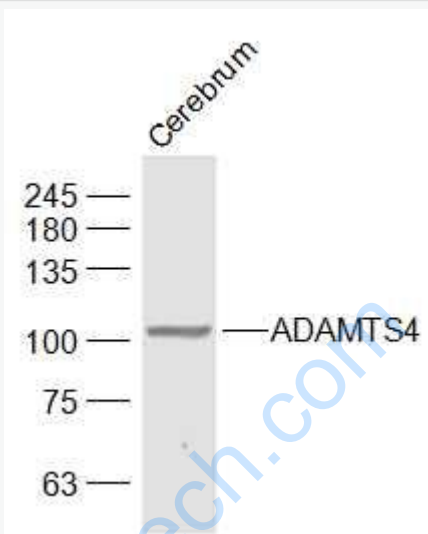
[SwissProt: Q8BNJ2](#) Mouse

[Unigene: 211604](#) Human

[Unigene: 475917](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Sample:

Cerebrum (Mouse) Lysate at 40 ug

Primary: Anti-ADAMTS4 (SL4191R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 90 kD

Observed band size: 100 kD