

Datasheet for ABIN755173
anti-ADAMTS4 antibody (AA 501-839)[Go to Product page](#)

2 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | ADAMTS4 |
| Binding Specificity: | AA 501-839 |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ADAMTS4 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

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|-----------------------|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human ADAMTS4 |
| Isotype: | IgG |
| Specificity: | Due to the similarity this protein to ADAMTS1, there is a chance that this antibody may have a cross-reactivity with this protein, based upon a 73 % sequence similarity in the epitope region. |
| Cross-Reactivity: | Human, Mouse |
| Predicted Reactivity: | Rat,Cow,Sheep,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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|-------------------|---|
| Target: | ADAMTS4 |
| Alternative Name: | ADAMTS4 (ADAMTS4 Products) |
| Background: | <p>Synonyms: ADMP-1, ADAMTS-2, ADAMTS-4, A disintegrin and metalloproteinase with thrombospondin motifs 4, ADAM-TS 4, ADAM-TS4, Aggrecanase-1, ADAMTS4, KIAA0688, UNQ769/PRO1563</p> <p>Background: 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.</p> |
| Gene ID: | 9507 |
| UniProt: | O75173 |

Application Details

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|--------------------|---|
| Application Notes: | WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 |
| Restrictions: | For Research Use only |

Handling

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|--------------------|--|
| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |

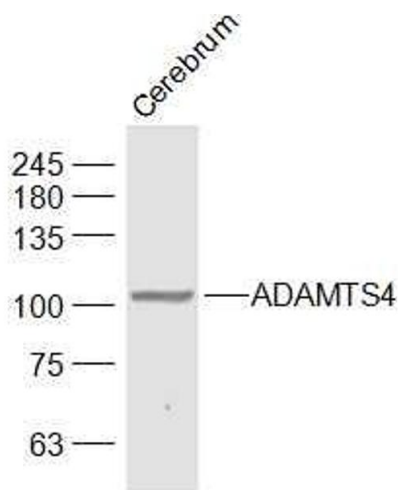
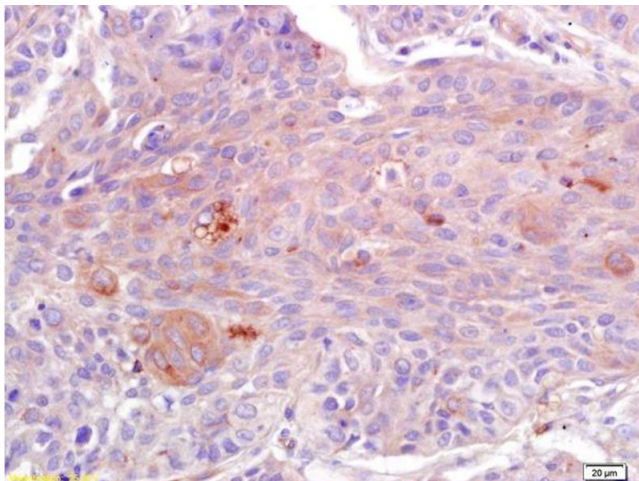


Image 1. Mouse Cerebrum lysates probed with ADAMTS4 Polyclonal Antibody, Unconjugated at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human lung carcinoma labeled with Anti-ADAMTS4 Polyclonal Antibody, Unconjugated (ABIN755173) at 1:200 followed by conjugation to the secondary antibody and DAB staining.