

Datasheet for ABIN881357

## **anti-ADAMTS4 antibody (AA 501-839) (AbBy Fluor® 488)**



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### Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | ADAMTS4                                                                                                                        |
| Binding Specificity: | AA 501-839                                                                                                                     |
| Reactivity:          | Human, Mouse                                                                                                                   |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This ADAMTS4 antibody is conjugated to AbBy Fluor® 488                                                                         |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |                                                                                                                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | ADAMTS4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Alternative Name: | ADAMTS4 ( <a href="#">ADAMTS4 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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:          | <a href="#">O75173</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Application Details

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only                                        |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % 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:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |