

Datasheet for ABIN6259779

**anti-ADAMTS1 antibody (Internal Region)****3** Images[Go to Product page](#)

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | ADAMTS1  |
| Binding Specificity: | Internal Region  |
| Reactivity:          | Human, Mouse   |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This ADAMTS1 antibody is un-conjugated   |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF) |

## Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | A synthesized peptide derived from human ADAMTS1, corresponding to a region within the internal amino acids.              |
| Isotype:              | IgG   |
| Specificity:          | ADAMTS1 Antibody detects endogenous levels of total ADAMTS1.  |
| Predicted Reactivity: | Pig,Zebrafish,Bovine,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus   |
| Purification:         | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

## Target Details

|         |         |
|---------|---------|
| Target: | ADAMTS1 |
|---------|---------|

## Target Details

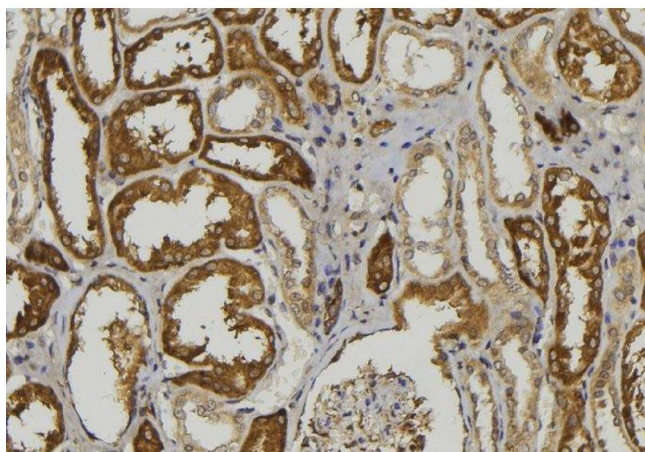
|                   |   |
|-------------------|---|
| Alternative Name: | ADAMTS1 ( <a href="#">ADAMTS1 Products</a> )  |
| Background:       | <p>Description: Cleaves aggrecan, a cartilage proteoglycan, at the '1938-Glu-I-Leu-1939' site (within the chondroitin sulfate attachment domain), and may be involved in its turnover (By similarity).<br/>Has angiogenic inhibitor activity. Active metalloprotease, which may be associated with various inflammatory processes as well as development of cancer cachexia. May play a critical role in follicular rupture.</p> <p>Gene: ADAMTS1</p> |
| Molecular Weight: | 105kDa  |
| Gene ID:          | 9510  |
| UniProt:          | <a href="#">Q9UHI8</a>  |
| Pathways:         | <a href="#">SARS-CoV-2 Protein Interactome</a>  |

## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | WB 1:1000-3000, IHC 1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000 |
| Restrictions:      | For Research Use only   |

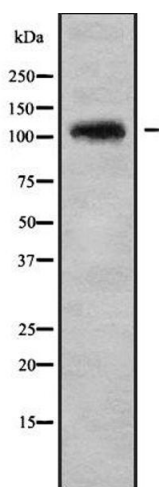
## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 1 mg/mL  |
| Buffer:            | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.                  |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C   |
| Storage Comment:   | Store at -20 °C. Stable for 12 months from date of receipt.  |
| Expiry Date:       | 12 months  |



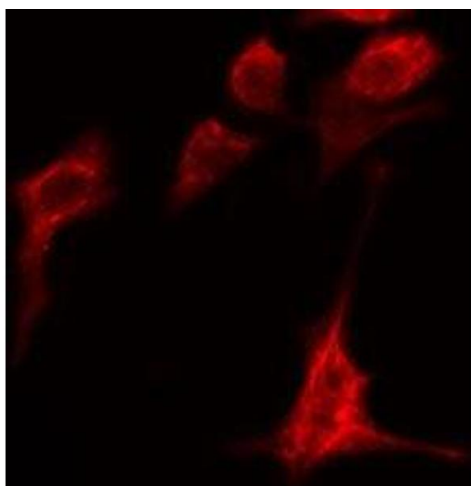
### Immunohistochemistry

**Image 1.** ABIN6279082 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



### Western Blotting

**Image 2.** Western blot analysis of ADAMTS1 using K562 whole cell lysates



### Immunofluorescence (fixed cells)

**Image 3.** ABIN6279082 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody (Cat.# S0006), diluted at 1/600, was used as secondary antibody