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Datasheet for ABIN7142886

anti-ADAMTS4 antibody (AA 213-319)

4 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µg |
| Target: | ADAMTS4 |
| Binding Specificity: | AA 213-319 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ADAMTS4 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

Product Details

| | |
|-------------------|--|
| Immunogen: | Recombinant Human A disintegrin and metalloproteinase with thrombospondin motifs 4 protein (213-319AA) |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse |
| Purification: | >95%, Protein G purified |

Target Details

| | |
|-------------------|--|
| Target: | ADAMTS4 |
| Alternative Name: | ADAMTS4 (ADAMTS4 Products) |
| Background: | Background: Cleaves aggrecan, a cartilage proteoglycan, and may be involved in its turnover. |

Target Details

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.

Aliases: A disintegrin and metalloproteinase with thrombospondin motifs 4 antibody, A disintegrin like and metalloprotease (reprolysin type) with thrombospondin type 1 motif 4 antibody, A disintegrin like and metalloprotease with thrombospondin type 1 motif 4 antibody, ADAM metalloproteinase with thrombospondin type 1 motif 4 antibody, ADAM TS 4 antibody, ADAM TS4 antibody, ADAM-TS 4 antibody, ADAM-TS4 antibody, ADAMTS 2 antibody, ADAMTS 4 antibody, ADAMTS-4 antibody, ADAMTS2 antibody, ADAMTS4 antibody, ADAMTS4 protein antibody, ADMP 1 antibody, ADMP-1 antibody, ADMP1 antibody, Aggrecanase 1 antibody, Aggrecanase-1 antibody, Aggrecanase1 antibody, ATS4_HUMAN antibody, KIAA0688 antibody

UniProt: [075173](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

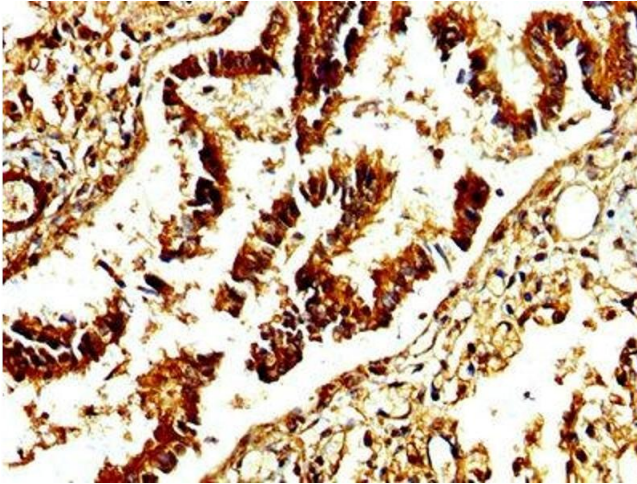
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

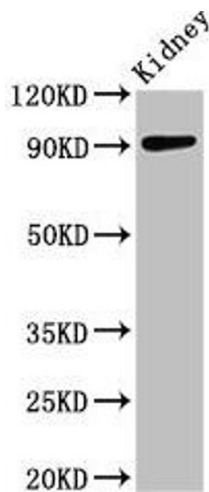
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



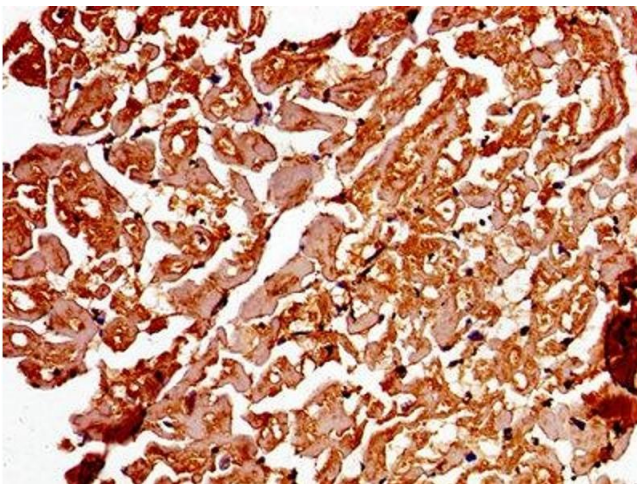
Immunohistochemistry

Image 1. IHC image of ABIN7142886 diluted at 1:250 and staining in paraffin-embedded human lung tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: Mouse kidney tissue All lanes: ADAMTS4 antibody at 3.2 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 91 kDa Observed band size: 91 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human heart tissue using ABIN7142886 at dilution of 1:100

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7142886.