

Datasheet for ABIN630877  
**anti-ADAMTS4 antibody (N-Term)**



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2 Images

## Overview

Quantity:	100 µL
Target:	ADAMTS4
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADAMTS4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	ADAMTS4 antibody was raised using the N terminal of ADAMTS4 corresponding to a region with amino acids GVQVEGLTVQYLGQAPELLGGAEPGTYLTGTINGDPESVASLHWDGGALL
Specificity:	ADAMTS4 antibody was raised against the N terminal of ADAMTS4
Purification:	Affinity purified

## Target Details

Target:	ADAMTS4
Alternative Name:	ADAMTS4 ( <a href="#">ADAMTS4 Products</a> )
Background:	ADAMTS4 is a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain,

## Target Details

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and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. ADAMTS4 lacks a C-terminal TS motif. It is responsible for the degradation of aggrecan, a major proteoglycan of cartilage, and brevican, a brain-specific extracellular matrix protein. The cleavage of aggrecan and brevican suggests key roles of this enzyme in arthritic disease and in the central nervous system, potentially, in the progression of glioma.

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Molecular Weight: 37 kDa (MW of target protein)

## Application Details

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Application Notes: WB: 0.5 µg/mL, IHC: 4-8 µg/mL  
Optimal conditions should be determined by the investigator.

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Comment: ADAMTS4 Blocking Peptide, catalog no. 33R-3654, is also available for use as a blocking control in assays to test for specificity of this ADAMTS4 antibody

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of ADAMTS4 antibody in PBS

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Concentration: Lot specific

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Buffer: PBS

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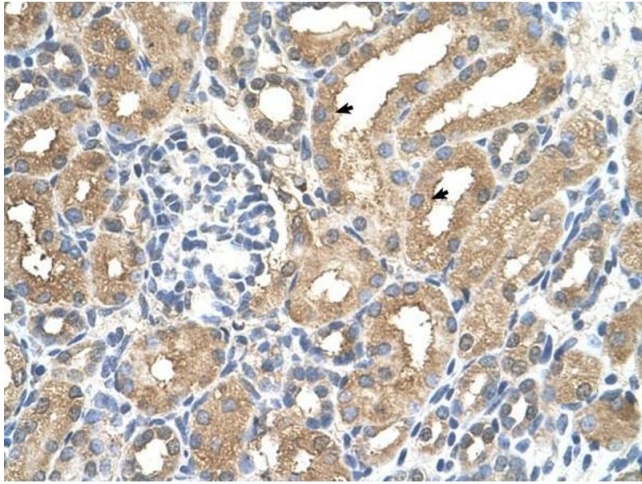
Handling Advice: Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

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Storage: 4 °C/-20 °C

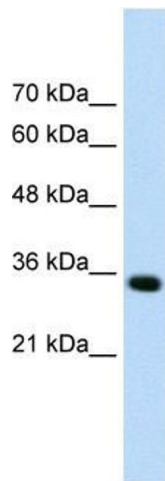
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Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



### Immunohistochemistry

**Image 1.** ADAMTS4 antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml to stain Epithelial cells of renal tubule (arrows) in Human Kidney. Magnification is at 400X



### Western Blotting

**Image 2.** ADAMTS4 antibody used at 0.5 ug/ml to detect target protein.