

Datasheet for ABIN5647323

anti-ADAMTS4 antibody (AA 813-837)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	ADAMTS4
Binding Specificity:	AA 813-837
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Amino acids 813-837 (TPQDWLHRRRAQILEILRRRPWAGRK) from the human protein were used as the immunogen for the ADAMTS4 antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	ADAMTS4
Alternative Name:	ADAMTS4 (ADAMTS4 Products)
Background:	ADAMTS4, A disintegrin and metalloproteinase with thrombospondin motifs 4, is an enzyme that in humans is encoded by the ADAMTS4 gene. ADAMTS4 is a member of the large ADAMTS family of zinc-dependent proteases. The human ADAMTS4 gene is mapped to chromosome 1 by somatic cell hybrid analysis. The enzyme encoded by this gene lacks a C-

Target Details

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.

UniProt: [075173](#)

Application Details

Application Notes: Optimal dilution of the ADAMTS4 antibody should be determined by the researcher.\. WB: 0.5-1 µg/mL,IHC (FFPE): 1-2 µg/mL,ELISA: 0.1-0.5 µg/mL (human protein tested, request BSA-free format for coating)

Restrictions: For Research Use only

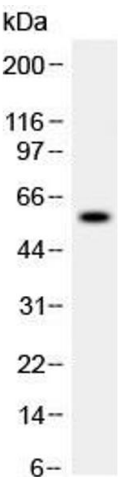
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

Storage Comment: After reconstitution, the ADAMTS4 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot testing of human recombinant ADAMTS4 partial protein (0.5ng/lane) with ADAMTS4 antibody at 0.5ug/ml. Predicted molecular weight of the full-length protein ~90 kDa.