Datasheet for ABIN7601105

anti-ADAMTS9 antibody (AA 288-1853)

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Overview

Quantity:	100 µg
Target:	ADAMTS9
Binding Specificity:	AA 288-1853
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADAMTS9 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-ADAMTS9 Antibody Picoband®
Immunogen:	E.coli-derived human ADAMTS9 recombinant protein (Position: F288-H1853).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-ADAMTS9 Antibody Picoband® (ABIN7601105). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	ADAMTS9
Alternative Name:	ADAMTS9 (ADAMTS9 Products)
Background:	Synonyms: Solute carrier family 12 member 5, Electroneutral potassium-chloride cotransporter 2, K-Cl cotransporter 2, hKCC2, Neuronal K-Cl cotransporter, SLC12A5, KCC2, KIAA1176 Tissue Specificity: Brain specific. Detected in neuronal cells. Background: A disintegrin and metalloproteinase with thrombospondin motifs 9 is an enzyme that in humans is encoded by the ADAMTS9 gene. This gene encodes 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, 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. Members of the ADAMTS family have been implicated in the cleavage of proteoglycans, the control of organ shape during development, and the inhibition of angiogenesis. This gene is localized to chromosome 3p14.3-p14.2, an area known to be lost in hereditary renal tumors. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing.
Molecular Weight:	216 kDa
Gene ID:	56999
UniProt:	Q9P2N4

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, -

1. Clark, M. E., Kelner, G. S., Turbeville, L. A., Boyer, A., Arden, K. C., Maki, R. A. ADAMTS9, a novel member of the ADAM-TS/metallospondin gene family. Genomics 67: 343-350, 2000. 2. Lo, P. H. Y., Leung, A. C. C., Kwok, C. Y. C., Cheung, W. S. Y., Ko, J. M. Y., Yang, L. C., Law, S., Wang, L. D., Li, J., Stanbridge, E. J., Srivastava, G., Tang, J. C. O., Tsao, S. W., Lung, M. L. Identification of a tumor suppressive critical region mapping to 3p14.2 in esophageal squamous cell carcinoma and studies of a candidate tumor suppressor gene, ADAMTS9. Oncogene 26: 148-157, 2007. 3. Nagase, T., Kikuno, R., Ishikawa, K., Hirosawa, M., Ohara, O. Prediction of the coding sequences of unidentified human genes. XVI. The complete sequences of 150 new cDNA clones from brain which code for large proteins in vitro. DNA Res. 7: 65-73, 2000.

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.