

Datasheet for ABIN7600108
anti-ADRM1 antibody (AA 15-390)



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Overview

Quantity:	100 µg
Target:	ADRM1 (Adrm1)
Binding Specificity:	AA 15-390
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADRM1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-ADRM1/ARM-1 Antibody Picoband®
Immunogen:	E.coli-derived human ADRM1/ARM-1 recombinant protein (Position: S15-K390).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-ADRM1/ARM-1 Antibody Picoband® (ABIN7600108). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, 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:	ADRM1 (Adrm1)
Alternative Name:	ADRM1 (Adrm1 Products)
Background:	Synonyms: Ran-specific GTPase-activating protein,Ran-binding protein 1,RanBP1,RANBP1, Tissue Specificity: Ubiquitously expressed. Present at highest levels in the brain, at high levels in the placenta and testis, at intermediate levels in the intestine, ovary, skeletal muscle and thymus and at lower levels in heart, kidney, liver, lung, pancreas, prostate and spleen. In the kidney, it is widely expressed in tubules, but sparsely expressed in the glomerulus (PubMed:24676636). Expression is significantly increased in renal biopsy specimens from idiopathic FSGS (PubMed:24676636). Overexpressed in many tumor types including breast, colorectal, endometrial, hepatic, kidney, lung, ovarian and pancreatic tumors. Background: Proteasomal ubiquitin receptor ADRM1 is a protein that in humans is encoded by the ADRM1 gene. This gene encodes a member of the adhesion regulating molecule 1 protein family. The encoded protein is a component of the proteasome where it acts as a ubiquitin receptor and recruits the deubiquitinating enzyme, ubiquitin carboxyl-terminal hydrolase L5. Increased levels of the encoded protein are associated with increased cell adhesion, which is likely an in effect of this intracellular protein. Dysregulation of this gene has been implicated in carcinogenesis. Alternative splicing results in multiple transcript variants.
Molecular Weight:	42 kDa
Gene ID:	11047
UniProt:	Q16186
Pathways:	Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Husnjak, K., Elsassner, S., Zhang, N., Chen, X., Randles, L., Shi, Y., Hofmann, K., Walters, K. J., Finley, D., Dikic, I. Proteasome subunit Rpn13 is a novel ubiquitin receptor. Nature 453: 481-488, 2008. 2. Jorgensen, J. P., Lauridsen, A.-M., Kristensen, P., Dissing, K., Johnsen, A. H., Hendil, K. B., Hartmann-Petersen, R. Adrm1, a putative cell adhesion regulating protein, is a novel proteasome-associated factor. J. Molec. Biol. 360: 1043-1052, 2006. 3. Lamerant, N., Kieda, C.
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Application Details

Adhesion properties of adhesion-regulating molecule 1 protein on endothelial cells. FEBS J. 272: 1833-1844, 2005.

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.