Datasheet for ABIN7602389

anti-Meprin B antibody (AA 73-489)

Go to Product page

Overview

Quantity:	100 µg
Target:	Meprin B (MEP1B)
Binding Specificity:	AA 73-489
Reactivity:	Rat, Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Meprin B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Purpose:	Anti-MEP1B Antibody Picoband®
Immunogen:	E.coli-derived human MEP1B recombinant protein (Position: H73-Q489). Human MEP1B shares 82.3% and 81.5% amino acid (aa) sequence identity with mouse and rat MEP1B, respectively.
Characteristics:	Anti-MEP1B Antibody Picoband® (ABIN7602389). Tested in WB, IF, IHC, ELISA 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:	Meprin B (MEP1B)
Alternative Name:	MEP1B (MEP1B Products)
Background:	Meprin A subunit beta is a protein that in humans is encoded by the MEP1B gene. Meprins are multidomain zinc metalloproteases that are highly expressed in mammalian kidney and intestinal brush border membranes, and in leukocytes and certain cancer cells. They are involved in the hydrolysis of a variety of peptide and protein substrates, and have been implicated in cancer and intestinal inflammation. Mature meprins are oligomers of evolutionarily related, but separately encoded alpha and/or beta subunits. Homooligomers of alpha subunit are secreted, whereas, oligomers containing the beta subunit are plasma membrane-bound. This gene encodes the beta subunit. Targeted disruption of this gene in mice affects embryonic viability, renal gene expression profiles, and distribution of the membrane-associated alpha subunit in kidney and intestine.
Molecular Weight:	97 kDa
Gene ID:	4225
UniProt:	Q16820

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat Immunohistochemistry, 2-5 µg/mL, Mouse, Rat Immunofluorescence, 5 µg/mL, Mouse, Rat ELISA, 0.1-0.5 µg/mL, - 1. Bond, J. S., Rojas, K., Overhauser, J., Zoghbi, H. Y., Jiang, W. The structural genes, MEP1A and MEP1B, for the alpha and beta subunits of the metalloendopeptidase meprin map to human chromosomes 6p and 18q, respectively. Genomics 25: 300-303, 1995. 2. Crisman, J. M., Zhang, B., Norman, L. P., Bond, J. S. Deletion of the mouse meprin beta metalloprotease gene diminishes the ability of leukocytes to disseminate through extracellular matrix. J. Immun. 172: 4510-4519, 2004. 3. Gorbea, C. M., Marchand, P., Jiang, W., Copeland, N. G., Gilbert, D. J., Jenkins, N. A., Bond, J. S. Cloning, expression, and chromosomal localization of the mouse meprin beta subunit. J. Biol. Chem. 268: 21035-21043, 1993.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

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.