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KD-Validated Anti-Membrane Metalloendopeptidase Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1099

Specification

KD-Validated Anti-Membrane Metalloendopeptidase Rabbit Monoclonal Antibody - Product Information

Application	**WB**
Primary Accession	P08473
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 86 kDa, observed, 100 kDa KDa**
Gene Name	**MME**
Aliases	**MME; Membrane Metalloendopeptidase; CALLA; NEP; Neprilysin; CD10; Common Acute Lymphocytic Leukemia Antigen; Neutral Endopeptidase 24.11; Skin Fibroblast Elastase; Neutral Endopeptidase; Atriopeptidase; Enkephalinase; EC 3.4.24.11; SFE; Membrane Metallo-Endopeptidase (Neutral Endopeptidase, Enkephalinase, CALLA, CD10); Neprilysin-390; Neprilysin-411; CD10 Antigen; EC 3.4.24; CMT2T; SCA43; EPN**
Immunogen	**A synthesized peptide derived from human CD10**

KD-Validated Anti-Membrane Metalloendopeptidase Rabbit Monoclonal Antibody - Additional Information

Gene ID	**4311**

Other Names
Neprilysin, 3.4.24.11, Atriopeptidase, Common acute lymphocytic leukemia antigen, CALLA, Enkephalinase, Neutral endopeptidase 24.11, NEP, Neutral endopeptidase, Skin fibroblast elastase, SFE, CD10, MME {ECO:0000303|PubMed:27588448, ECO:0000312|HGNC:HGNC:7154}

KD-Validated Anti-Membrane Metalloendopeptidase Rabbit Monoclonal Antibody - Protein Information

Name MME {ECO:0000303|PubMed:27588448, ECO:0000312|HGNC:HGNC:7154}

Function
Thermolysin-like specificity, but is almost confined on acting on polypeptides of up to 30 amino acids (PubMed:15283675, PubMed:6208535, PubMed:<a href="http://www.uniprot.org/citations/6349683"

target="_blank">6349683, PubMed:8168535). Biologically important in the destruction of opioid peptides such as Met- and Leu-enkephalins by cleavage of a Gly-Phe bond (PubMed:17101991, PubMed:6349683). Catalyzes cleavage of bradykinin, substance P and neurotensin peptides (PubMed:6208535). Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9 (PubMed:15283675, PubMed:6349683). Involved in the degradation of atrial natriuretic factor (ANF) and brain natriuretic factor (BNP(1-32)) (PubMed:16254193, PubMed:2531377, PubMed:2972276). Displays UV-inducible elastase activity toward skin preelastic and elastic fibers (PubMed:20876573).

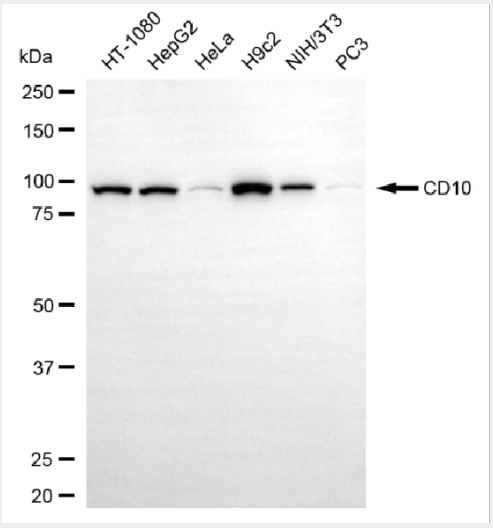
Cellular Location
Cell membrane; Single-pass type II membrane protein

KD-Validated Anti-Membrane Metalloendopeptidase Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-Membrane Metalloendopeptidase Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-CD10 antibody (Cat#61234). Total cell lysates (30 µg) from

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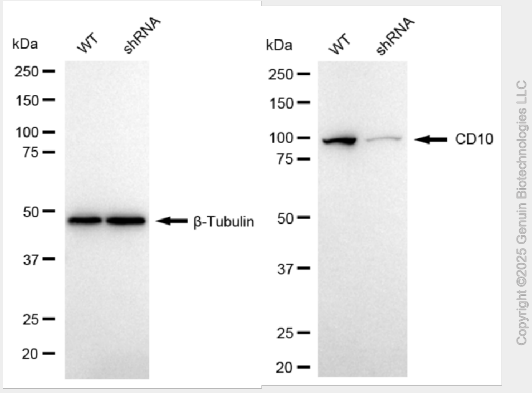
various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CD10 antibody (Cat#61234, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).



Western blotting analysis using anti-CD10 antibody (Cat#61234). CD10 expression in wild type (WT) and CD10 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-CD10 antibody (Cat#61234, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed usingNaQ™ ECL Substrate Kit (Cat#716).