

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: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

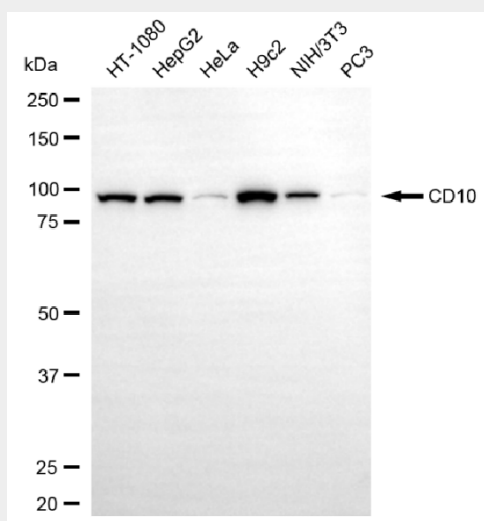
Cell membrane; Single-pass type II membrane protein

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 Cytometry](#)
- [Cell Culture](#)

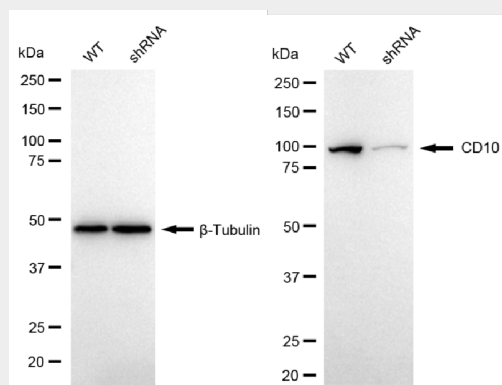
KD-Validated Anti-Membrane Metalloendopeptidase Rabbit Monoclonal Antibody - Images



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Western blotting analysis using anti-CD10 antibody (Cat#AGI1099). Total cell lysates (30 µg)

from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CD10 antibody (Cat#AGI1099, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-CD10 antibody (Cat#AGI1099). 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#AGI1099, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.