

CD10 Antibody

Rabbit mAb

Catalog # AP92065

Product Information

Application	WB, IHC, IP
Primary Accession	P08473
Reactivity	Rat, Human
Clonality	Monoclonal
Other Names	Atriopeptidase; CALLA; CD10; CD10 antigen; Enkephalinase; EPN; Membrane metallo endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10); CALLA CD10; NEP; Neprilysin; Neutral endopeptidase;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	85514

Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human CD10
Description	CD10 is a transmembrane type II molecule and functions as a metallo-peptidase requiring zinc. Specifically, CD10 cleaves 1-3 amino-terminal amino acids from peptides with a preference for neutral amino acids (valine, iso-leucine, phenylalanine, leucine or alanine). Involved in the degradation of atrial natriuretic factor (ANF).
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

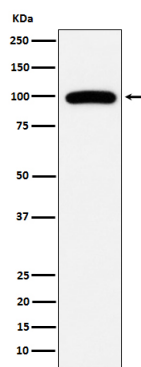
Protein Information

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 , 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

Images



Western blot analysis of CD10 expression in Ramos cell lysate.

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