

# CD10 Antibody

Rabbit mAb

Catalog # AP90791

## Product Information

---

<b>Application</b>	WB, FC
<b>Primary Accession</b>	<a href="#">P08473</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	Atriopeptidase; CALLA; CD10; CD10 antigen; Enkephalinase; EPN; Membrane metallo endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10); CALLA CD10; NEP; Neprilysin; Neutral endopeptidase;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	85514

## Additional Information

---

<b>Dilution</b>	WB 1:1000~1:2000 FC 1:50
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human CD10
<b>Description</b>	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). Displays UV-inducible elastase activity toward skin preelastic and elastic fibers.
<b>Storage Condition and Buffer</b>	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

---

<b>Name</b>	MME {ECO:0000303   PubMed:27588448, ECO:0000312   HGNC:HGNC:7154}
<b>Function</b>	Thermolysin-like specificity, but is almost confined on acting on polypeptides of up to 30 amino acids (PubMed: <a href="#">15283675</a> , PubMed: <a href="#">6208535</a> , PubMed: <a href="#">6349683</a> , PubMed: <a href="#">8168535</a> ). Biologically important in the destruction of opioid peptides such as Met- and Leu-enkephalins by cleavage of a Gly-Phe bond (PubMed: <a href="#">17101991</a> , PubMed: <a href="#">6349683</a> ). Catalyzes cleavage of bradykinin, substance P and neurotensin peptides (PubMed: <a href="#">6208535</a> ). Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9 (PubMed: <a href="#">15283675</a> , PubMed: <a href="#">6349683</a> ). Involved in the degradation of atrial natriuretic factor (ANF) and brain natriuretic factor (BNP(1-32)) (PubMed: <a href="#">16254193</a> , PubMed: <a href="#">2531377</a> , PubMed: <a href="#">2972276</a> ). Displays UV-inducible elastase activity toward skin preelastic and elastic fibers

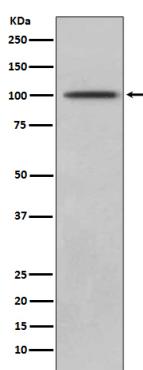
(PubMed:[20876573](#)).

**Cellular Location**

Cell membrane; Single-pass type II membrane protein

**Images**

---



Western blot analysis of CD10 expression in Jurkat lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.