

# CD10 antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP22424a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P08473</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit Ig
<b>Clone Names</b>	R03643
<b>Calculated MW</b>	85514

## Additional Information

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<b>Gene ID</b>	4311
<b>Other Names</b>	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}
<b>Target/Specificity</b>	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from human.
<b>Dilution</b>	WB~~1:2000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	CD10 antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<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:[17101991](#), PubMed:[6349683](#)). Catalyzes cleavage of bradykinin, substance P and neuropeptides (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

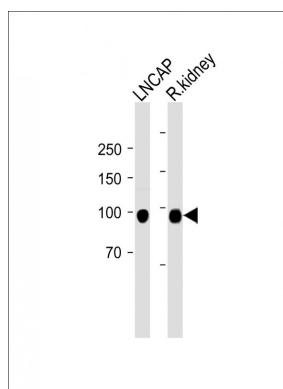
## Background

Thermolysin-like specificity, but is almost confined on acting on polypeptides of up to 30 amino acids (PubMed:[6349683](#), PubMed:[6208535](#), PubMed:[15283675](#), PubMed:[8168535](#)). Biologically important in the destruction of opioid peptides such as Met- and Leu- enkephalins by cleavage of a Gly-Phe bond (PubMed:[6349683](#), PubMed:[17101991](#)). Catalyzes cleavage of bradykinin, substance P and neuropeptides (PubMed:[6208535](#)). Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9 (PubMed:[6349683](#), PubMed:[15283675](#)). Involved in the degradation of atrial natriuretic factor (ANF) and brain natriuretic factor (BNP(1-32)) (PubMed:[2531377](#), PubMed:[2972276](#), PubMed:[16254193](#)). Displays UV-inducible elastase activity toward skin preelastic and elastic fibers (PubMed:[20876573](#)).

## References

- Letarte M., et al. J. Exp. Med. 168:1247-1253(1988).  
Shipp M.A., et al. Proc. Natl. Acad. Sci. U.S.A. 85:4819-4823(1988).  
D'Adamio L., et al. Proc. Natl. Acad. Sci. U.S.A. 86:7103-7107(1989).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

## Images



All lanes: Anti-CD10 antibody at 1:2000 dilution Lane 1: LNCAP whole cell lysate Lane 2: Rat kidney lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 100 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

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