

**CD10 antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22424a**

**Specification**

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**CD10 antibody - Product Information**

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

**CD10 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}

**Target/Specificity**

This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from human.

**Dilution**

WB~~1:2000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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.

**Precautions**

CD10 antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**CD10 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](#), 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

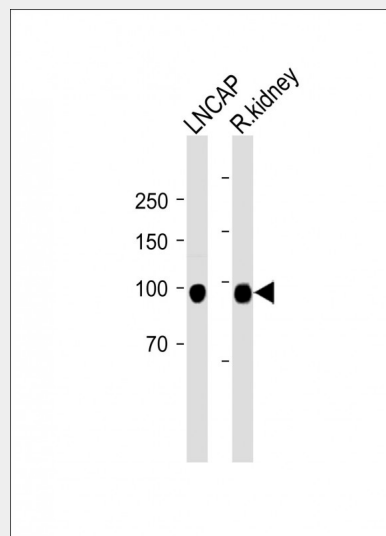
Cell membrane; Single-pass type II membrane protein

#### CD10 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](#)

#### CD10 antibody - 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.

#### CD10 antibody - Background

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#### **CD10 antibody - References**

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Ota T.,et al.Nat. Genet. 36:40-45(2004).  
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