

**CD10 Polyclonal Antibody**  
Catalog # AP73533**Specification****CD10 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P08473</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**CD10 Polyclonal Antibody - Additional Information**

Gene ID 4311

**Other Names**

MME; EPN; Neprilysin; Atriopeptidase; Common acute lymphocytic leukemia antigen; CALLA; Enkephalinase; Neutral endopeptidase 24.11; NEP; Neutral endopeptidase; Skin fibroblast elastase; SFE; CD10

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**CD10 Polyclonal 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:<a href="http://www.uniprot.org/citations/15283675" target="\_blank">15283675</a>, PubMed:<a href="http://www.uniprot.org/citations/6208535" target="\_blank">6208535</a>, PubMed:<a href="http://www.uniprot.org/citations/6349683" target="\_blank">6349683</a>, PubMed:<a href="http://www.uniprot.org/citations/8168535" target="\_blank">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="http://www.uniprot.org/citations/17101991" target="\_blank">17101991</a>, PubMed:<a href="http://www.uniprot.org/citations/6349683" target="\_blank">6349683</a>). Catalyzes cleavage of bradykinin, substance P and neurotensin peptides (PubMed:<a href="http://www.uniprot.org/citations/6208535" target="\_blank">6208535</a>). Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9 (PubMed:<a href="http://www.uniprot.org/citations/15283675" target="\_blank">15283675</a>, PubMed:<a

[6349683](http://www.uniprot.org/citations/6349683)). Involved in the degradation of atrial natriuretic factor (ANF) and brain natriuretic factor (BNP(1-32)) (PubMed:<[16254193](http://www.uniprot.org/citations/16254193)>, PubMed:<[2531377](http://www.uniprot.org/citations/2531377)>, PubMed:<[2972276](http://www.uniprot.org/citations/2972276)>). Displays UV-inducible elastase activity toward skin preelastic and elastic fibers (PubMed:<[20876573](http://www.uniprot.org/citations/20876573)>).

#### Cellular Location

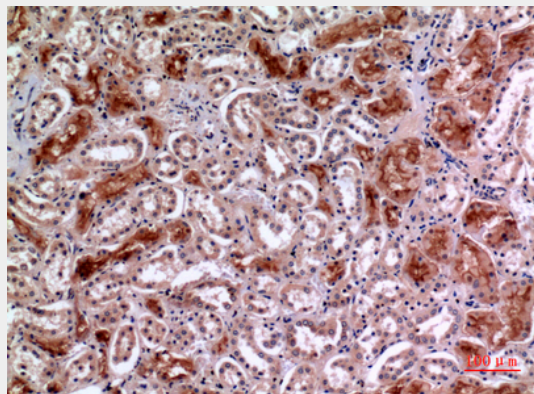
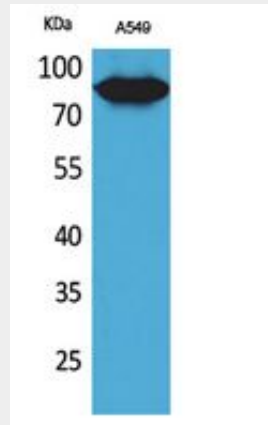
Cell membrane; Single-pass type II membrane protein

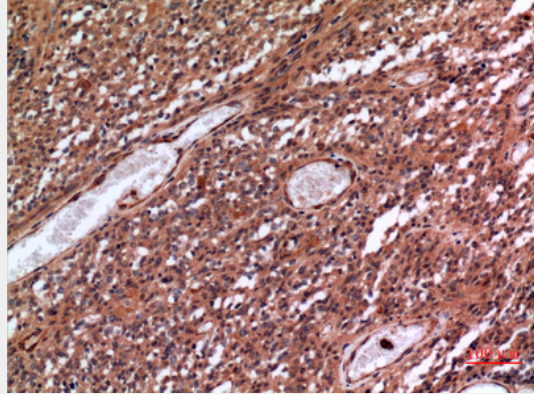
### CD10 Polyclonal Antibody - Protocols

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 Polyclonal Antibody - Images





### **CD10 Polyclonal Antibody - Background**

Thermolysin-like specificity, but is almost confined on acting on polypeptides of up to 30 amino acids (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:17101991). Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9 (PubMed:15283675). Involved in the degradation of atrial natriuretic factor (ANF) (PubMed:2531377, PubMed:2972276). Displays UV-inducible elastase activity toward skin preelastic and elastic fibers (PubMed:20876573).