

# CD10 Polyclonal Antibody

Catalog # AP73533

## Product Information

Application	WB, IHC-P
Primary Accession	<a href="#">P08473</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	85514

## 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. IHC-P~~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

## 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="#">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: <a href="#">20876573</a> ).
Cellular Location	Cell membrane; Single-pass type II membrane protein

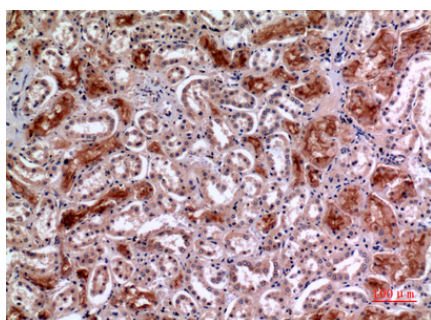
## Background

Thermolysin-like specificity, but is almost confined on acting on polypeptides of up to 30 amino acids (PubMed:[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](#)).

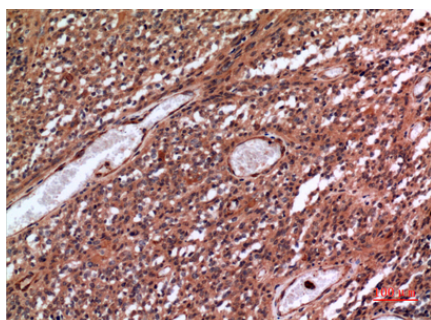
## Images



Western Blot analysis of A549 cells using CD10 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:100

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