

CD10 Monoclonal Antibody(5B8)
Catalog # AP63326**Specification****CD10 Monoclonal Antibody(5B8) - Product Information**

Application	IF
Primary Accession	P08473
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal

CD10 Monoclonal Antibody(5B8) - 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

IF~IF: 1:50-200 IHC: 1:200

Format

PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.

Storage Conditions

-20°C

CD10 Monoclonal Antibody(5B8) - 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](http://www.uniprot.org/citations/15283675) target="_blank">15283675, PubMed: [6208535](http://www.uniprot.org/citations/6208535) target="_blank">6208535, PubMed: [6349683](http://www.uniprot.org/citations/6349683) target="_blank">6349683, PubMed: [8168535](http://www.uniprot.org/citations/8168535) target="_blank">8168535). Biologically important in the destruction of opioid peptides such as Met- and Leu-enkephalins by cleavage of a Gly-Phe bond (PubMed: [17101991](http://www.uniprot.org/citations/17101991) target="_blank">17101991, PubMed: [6349683](http://www.uniprot.org/citations/6349683) target="_blank">6349683). Catalyzes cleavage of bradykinin, substance P and neurotensin peptides (PubMed: [6208535](http://www.uniprot.org/citations/6208535) target="_blank">6208535). Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9 (PubMed: [15283675](http://www.uniprot.org/citations/15283675) target="_blank">15283675, PubMed: [6349683](http://www.uniprot.org/citations/6349683) target="_blank">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

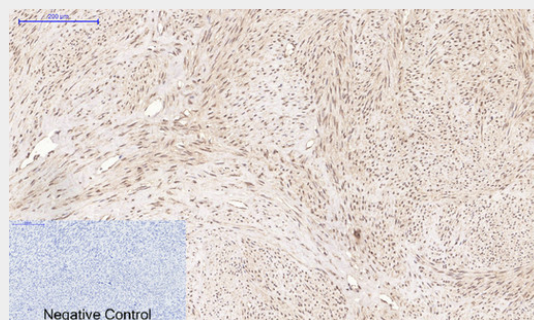
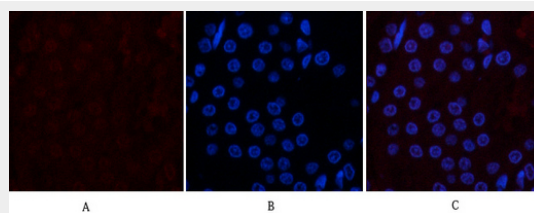
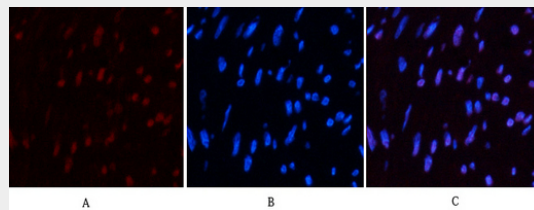
Cell membrane; Single-pass type II membrane protein

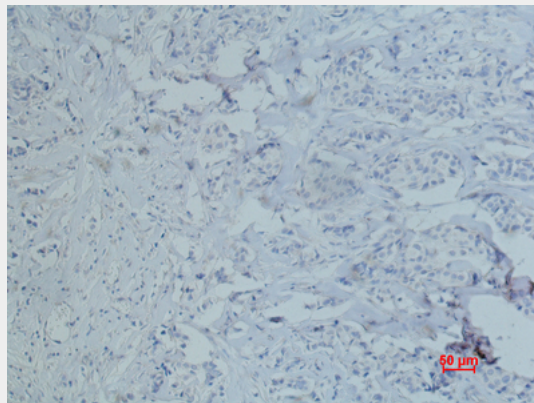
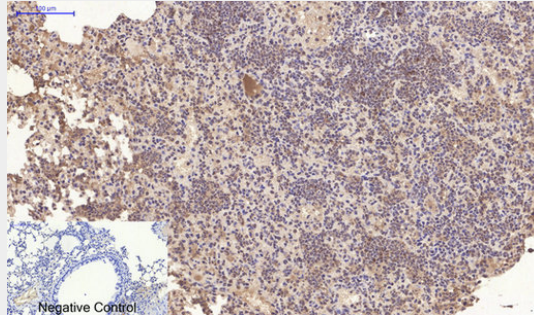
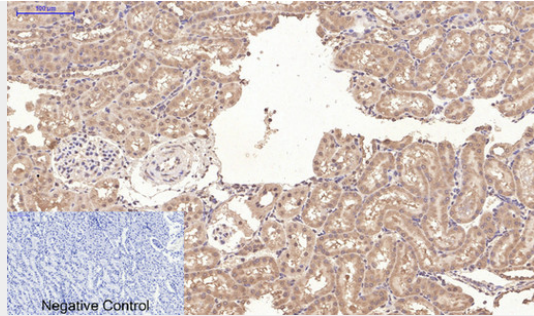
CD10 Monoclonal Antibody(5B8) - Protocols

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 Monoclonal Antibody(5B8) - Images





CD10 Monoclonal Antibody(5B8) - 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).