

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 0.02% sodium azide as Preservative and 50% Glycerol.

Storage Conditions

-20°C

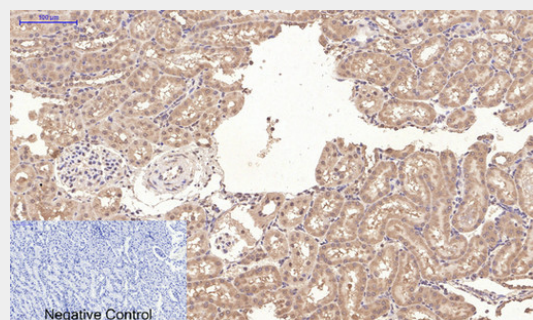
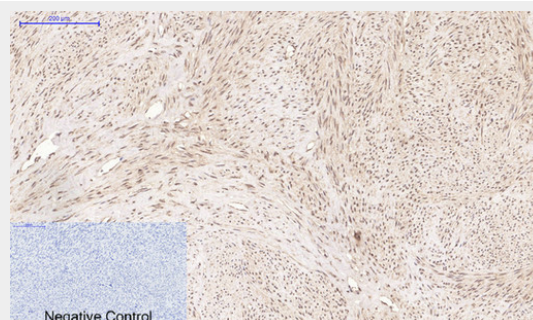
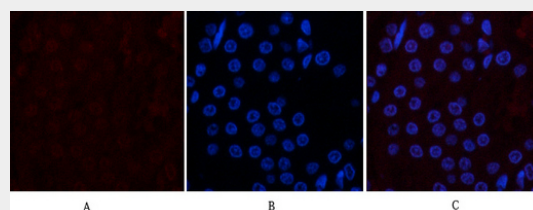
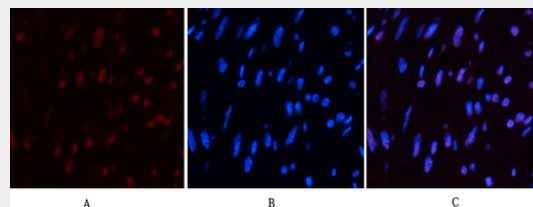
CD10 Monoclonal Antibody(5B8) - Protein Information

Name MME

Synonyms EPN

Function

Thermolysin-like specificity, but is almost confined on acting on polypeptides of up to 30 amino acids (PubMed:<http://www.uniprot.org/citations/15283675> target="_blank">15283675, PubMed:<http://www.uniprot.org/ci>



tations/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). Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9 (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).

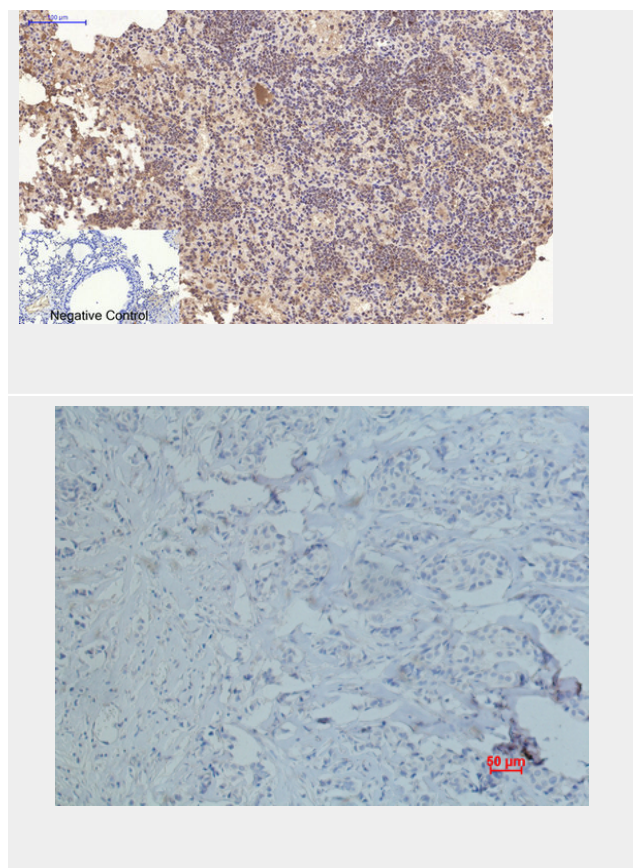
Cellular Location

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) - 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).