

CD10 Monoclonal Antibody(5B8)

Catalog # AP63326

Specification

CD10 Monoclonal Antibody(5B8) - Product Information

Application IHC-P, 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

IHC-P~~N/A

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:<a href="http://www.uniprot.org/citations/15283675" acids (PubMed:<a href="http://www.uniprot.org/citations/15283675" amino acids (PubMed:<a href="http://www.uniprot.org/citations/15283675" acids (PubMed:<a href="http://www.uniprot.org/c

 $target="_blank">15283675, PubMed:6208535, PubMed:6349683, PubMed:6349683, PubMed:<a href="http://www.uniprot.org/citations/8168535"$

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, 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:<a



href="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

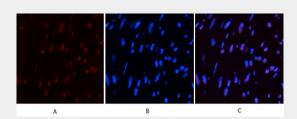
Cell membrane; Single-pass type II membrane protein

CD10 Monoclonal Antibody(5B8) - Protocols

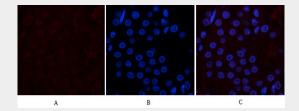
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CD10 Monoclonal Antibody(5B8) - Images

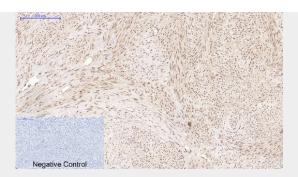


Immunofluorescence analysis of human-uterus tissue. 1,CD10 Monoclonal Antibody(5B8)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

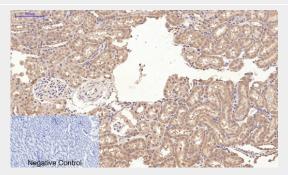


Immunofluorescence analysis of rat-kidney tissue. 1,CD10 Monoclonal Antibody(5B8)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

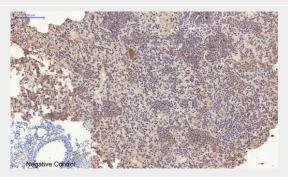




Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1,CD10 Monoclonal Antibody(5B8) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.

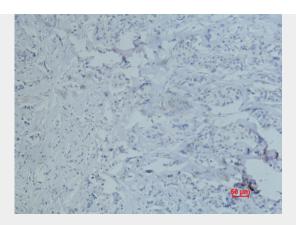


Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1,CD10 Monoclonal Antibody(5B8) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-lung tissue. 1,CD10 Monoclonal Antibody(5B8) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.





Immunohistochemical analysis of paraffin-embedded human-breast-cancer using antibody diluted at 1:50.

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