

CD10 Monoclonal Antibody(5B8)

Catalog # AP63326

Product Information

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

Additional Information

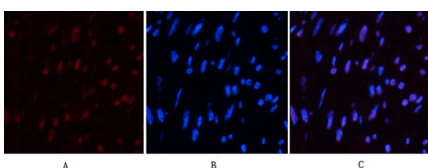
Other Names	MME; EPN; Neprilysin; Atriopeptidase; Common acute lymphocytic leukemia antigen; CALLA; Enkephalinase; Neutral endopeptidase 24.11; NEP; Neutral endopeptidase; Skin fibroblast elastase; SFE; CD10
Dilution	IF~~IF: 1:50-200 IHC: 1:200 ICC~~N/A IHC~~1:100~500
Format	PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.
Storage Conditions	-20°C

Protein Information

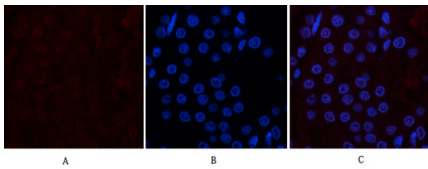
Background

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](#)).

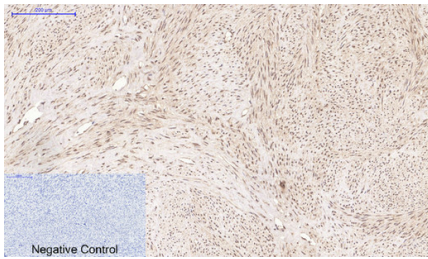
Images



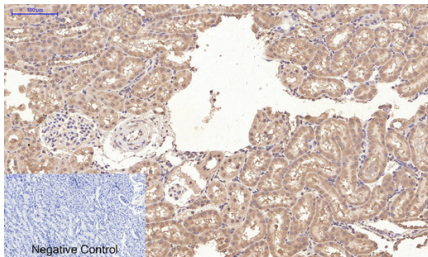
Immunofluorescence analysis of human-uterus tissue. 1,CD10 Monoclonal Antibody(5B8)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



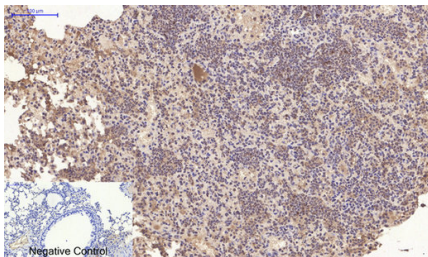
Immunofluorescence analysis of rat-kidney tissue. 1,CD10 Monoclonal Antibody(5B8)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



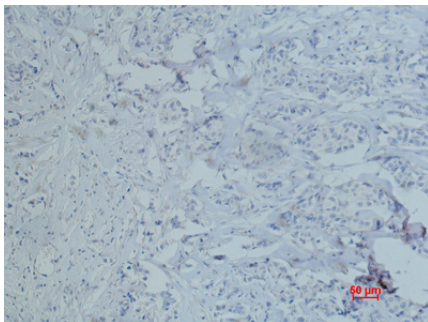
Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1,CD10 Monoclonal Antibody(5B8) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used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

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