

CD10 Antibody

Mouse Monoclonal Antibody (Mab)

Catalog # AD80166

Product Information

Application	IHC
Primary Accession	P08473
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	453F9G7
Calculated MW	85514

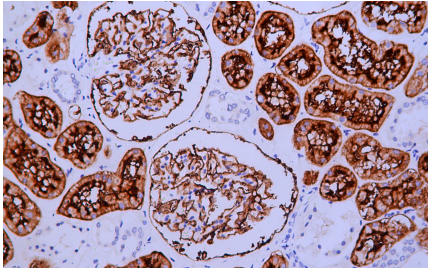
Additional Information

Gene ID	4311
Gene Name	MME
Other Names	Neprilysin, 3.4.24.11, Atriopeptidase, Common acute lymphocytic leukemia antigen, CALLA, Enkephalinase, Neutral endopeptidase 24.11, NEP, Neutral endopeptidase, Skin fibroblast elastase, SFE, CD10, MME, EPN
Dilution	IHC~~Ready-to-use
Storage	Maintain refrigerated at 2-8°C.
Precautions	CD10 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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 , PubMed: 6208535 , PubMed: 6349683 , 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 , 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: 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

Images



Immunohistochemical analysis of paraffin-embedded human kidney tissue using AD80166 performed on the Abcarta® FAIP-48 Fully automated IHC platform. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody(Ready-to-use) for 15 min at room temperature. AmpSee™ Detection Systems(Abcepta:ADR005) was used as the secondary antibody.

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