

Anti-CD10 Antibody

Catalog # AP95950

Product Information

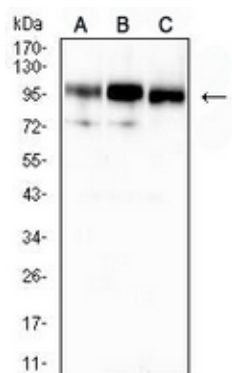
Application	WB, IHC, FC
Primary Accession	P08473
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	85514

Additional Information

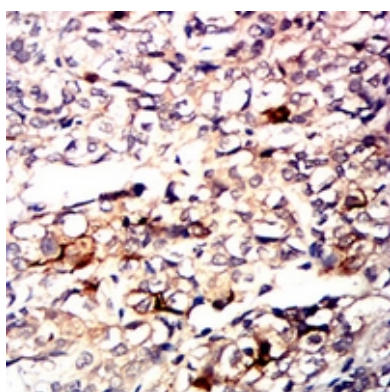
Gene ID	4311
Other Names	EPN; Neprilysin; Atriopeptidase; Common acute lymphocytIC, leukemia antigen; CALLA; Enkephalinase; Neutral endopeptidase 24.11; NEP; Neutral endopeptidase; Skin fibroblast elastase; SFE; CD10
Target/Specificity	Recombinant fusion protein of human CD10 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)
Format	Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

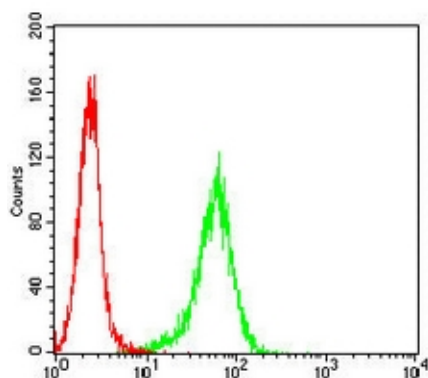
Name	MME {ECO:0000303 PubMed:27588448, ECO:0000312 HGNC:HGNC:7154}
Function	Thermolysin-like specificity, but is almost confined on acting on polypeptides of up to 30 amino acids (PubMed: 15283675 , PubMed: 6208535 , PubMed: 6349683 , PubMed: 8168535). Biologically important in the destruction of opioid 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



Western blot analysis of CD10 expression in Raji (A), Ramos (B), LNCap (C) whole cell lysates. (Predicted band size: 85 kD; Observed band size: 95 kD)



Immunohistochemical analysis of CD10 staining in human bladder cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow cytometric analysis of HeLa cells using Anti-CD10 Antibody (green) and negative control (red).

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