
Product Name: CD10 Rabbit Polyclonal Antibody**Catalog #: APRab08179**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
Molecular Weight	85kDa

Antigen Information

Gene Name	MME MME; EPN; Neprilysin; Atriopeptidase; Common acute lymphocytic leukemia antigen;
Alternative Names	CALLA; Enkephalinase; Neutral endopeptidase 24.11; NEP; Neutral endopeptidase; Skin fibroblast elastase; SFE; CD10
Gene ID	4311.0
SwissProt ID	P08473
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human MME. AA range:491-540

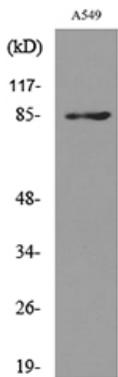
Background

This gene encodes a common acute lymphocytic leukemia antigen that is an important cell surface marker in the diagnosis of human acute lymphocytic leukemia (ALL). This protein is present on leukemic cells of pre-B phenotype, which represent 85% of cases of ALL. This protein is not restricted to leukemic cells, however, and is found on a variety of normal tissues. It is a glycoprotein that is particularly abundant in kidney, where it is present on the brush border of proximal tubules and on glomerular epithelium. The protein is a neutral endopeptidase that cleaves peptides at the amino side of hydrophobic residues and inactivates several peptide hormones including glucagon, enkephalins, substance P, neurotensin, oxytocin, and bradykinin. This gene, which encodes a 100-kD type II transmembrane glycoprotein, exists in a single copy of greater than 45 kb. The 5' untranslated region of this catalytic activity: Preferential cleavage of polypeptides between hydrophobic residues, particularly with Phe or Tyr at P1', cofactor: Binds 1 zinc ion per subunit., disease: Important cell surface marker in the diagnostic of human acute lymphocytic leukemia., enzyme regulation: Inhibited in a dose dependent manner by opiorphin., function: Thermolysin-like specificity, but is almost confined on acting on polypeptides of up to 30 amino acids. Biologically important in the destruction of opioid peptides such as Met- and Leu-enkephalins by cleavage of a Gly-Phe bond. Involved in the degradation of atrial natriuretic factor (ANF)., similarity: Belongs to the peptidase M13 family.,

Research Area

Renin-angiotensin system; Hematopoietic cell lineage; Alzheimer's disease;

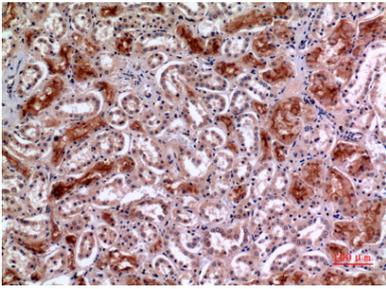
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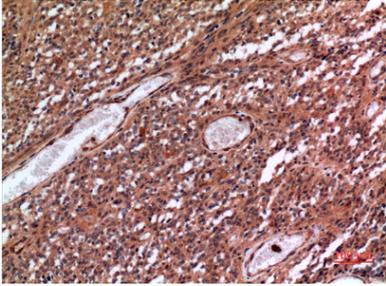
Western blot analysis of lysate from A549 cells, using MME Antibody.



Western Blot analysis of A549 cells using CD10 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:100