

## CD10 Polyclonal Antibody

<b>Catalog No :</b>	YT5350
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	CD10
<b>Fields :</b>	>>Renin-angiotensin system;>>Hematopoietic cell lineage;>>Protein digestion and absorption;>>Alzheimer disease
<b>Gene Name :</b>	MME
<b>Protein Name :</b>	Neprilysin
<b>Human Gene Id :</b>	4311
<b>Human Swiss Prot No :</b>	P08473
<b>Mouse Gene Id :</b>	17380
<b>Mouse Swiss Prot No :</b>	Q61391
<b>Rat Gene Id :</b>	24590
<b>Rat Swiss Prot No :</b>	P07861
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human MME. AA range:491-540
<b>Specificity :</b>	CD10 Polyclonal Antibody detects endogenous levels of CD10 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:20000.. IF 1:50-200

<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	85kD
<b>Cell Pathway :</b>	Renin-angiotensin system;Hematopoietic cell lineage;Alzheimer's disease;
<b>Background :</b>	<p>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</p>
<b>Function :</b>	<p>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.,</p>
<b>Subcellular Location :</b>	Cell membrane; Single-pass type II membrane protein.
<b>Expression :</b>	Adrenal cortex,Brain,Kidney,Placenta,
<b>Sort :</b>	3348
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

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