For Research Use Only

Neprilysin/CD10 Monoclonal antibody Catalog Number:60034-3-lg Featured Product



Basic Information	Catalog Number: 60034-3-Ig	GenBank Accession Number: BC 101658	Purification Method: Protein G purification	
	Size: 150ul , Concentration: 1000 ug/ml by	GeneID (NCBI): 4311	CloneNo.: 4B9D9	
	Nanodrop; Source: Mouse Isotype: IgG1 Immunogen Catalog Number: AG0427	UNIPROT ID: P08473 Full Name: membrane metallo-endopeptidase Calculated MW: 750 aa, 86 kDa Observed MW: 100 kDa	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:25000-1:100000	
Applications	Tested Applications: WB, IHC, ELISA	Positive Cont	rols:	
	Species Specificity: human, mouse, pig, rabbit	kidney tissue cells, rabbit k	kidney tissue, pig kidney tissue, Ramos cells, A172 cells, rabbit kidney tissue	
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0IHC : human I renal cell can tissue, human mouse liver to		tidney tissue, human liver tissue, human tinoma tissue, human stomach cancer n tonsil tissue, mouse kidney tissue, issue	
Background Information	CD10, also known as neprilysin, membrane metallo-endopeptidase (MME), neutral endopeptidase (NEP), or common acute lymphoblastic leukemia antigen (CALLA), is a 100-kDa type II transmembrane glycoprotein belonging to peptidase M13 family (PMID: 7760013; 8102558). Among hematopoietic cells, CD10 is expressed on granulocytes, B cell precursors, mature germinal center B cells, a subset of immature thymocytes (PMID: 13679451). CD10 is also expressed on a variety of nonhematopoietic cell types, including bronchial epithelial cells, cultured fibroblasts, bone marrow stromal cells, renal proximal tubular epithelial cells, breast myoepithelium, biliary canaliculi (PMID: 8102558). CD10 is a cell surface peptidase that cleaves peptide bonds on the amino side of hydrophobic amino acids and inactivates a variety of physiologically active peptides. Loss or decreases in CD10 expression have been reported in a variety of malignancies (PMID: 16054017).			
Storage	Storage: Store at -20°C. Stable for one year aft Storage Buffer: PBS with 0.02% sodium azide and 50	er shipment. % glycerol, pH7.3		
*** 20ul sizes contain 0.1% BSA	Aliquoting is unnecessary for -20 $^{\circ}$ C s	torage		

For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60034-3-Ig (Neprilysin/CD10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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WB result of Neprilysin/CD10 antibody (60034-3-lg; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Neprilysin/CD10 transfected HEK-293 cells.



Immunohistochemical analysis of paraffinembedded human kidney tissue slide using 60034-3-lg (Neprilysin/CD10 antibody) at dilution of 1:50000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human kidney tissue slide using 60034-3-Ig (Neprilysin/CD10 antibody) at dilution of 1:50000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human liver tissue slide using 60034-3-Ig (Neprilysin/CD10 antibody) at dilution of 1:50000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human liver tissue slide using 60034-3-Ig (Neprilysin/CD10 antibody) at dilution of 1:50000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).