



ABCLONAL BIOTECHNOLOGY, INC.

CD10 Rabbit pab Antibody

Anti CD10 antibody

Catalog Number:	A0088	Quantity:	100ul
Lot Number:	A00009	Species:	Rabbit
Gene ID:	4311	Swiss Prot:	P08473

DESCRIPTION

Description	Rabbit polyclonal to CD10
Species	Rabbit
Applications	WB IHC
Reactivity	Hu Mouse Rat
Immunogen	A synthetic peptide of human CD10
Other Name	MME;CALLA;CD10;DKFZp686O16152;MGC126681;MGC126707;NEP ;Neprilysin;Enkephalinase;Atriopeptidase

PROPERTIES

Form	Liquid
Storage instructions	Upon delivery aliquot and store at -20°C or -80°C.
Storage buffer	PBS with 0.1% Sodium Azide, 50% Glycerol,
Purity	Affinity purification
Clonality	Polyclonal
Isotype	IgG

APPLICATION

WB	WB :1/500-1000
IHC	IHC: 1/50



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BACKGROUND

CD10 (CALLA or neprilysin) was identified as a marker for leukemic cells in children with acute lymphoblastic leukemia and belongs to a family of exoenzymes that include aminopeptidase A, N and dipeptidylpeptidase IV (1-2). CD10 is a transmembrane type II molecule and functions as a metallo-peptidase requiring zinc. Specifically, CD10 cleaves 1-3 amino-terminal amino acids from peptides with a preference for neutral amino acids (valine, iso-leucine, phenylalanine, leucine or alanine) (2). The CD10 antigen is expressed by immature and by germinal center B cells, by granulocytes and by acute B-cell lymphoblastic leukemia cells. Therefore, CD10 appears to be involved in late stage regulation of hematopoietic cells (3).

1. [Greaves , M. F. et al. \(1975\) *Clin. Immunol. Immunopathol.* 4, 67-84.](#)
2. [Shipp, M.A. and Look, A.T. \(1993\) *Blood* 82, 1052-1070.](#)
3. [Bene, M. C. et al. \(1997\) *Haematologica.* 82, 205-210.](#)