

Rabbit anti-Human CD10/Neprilysin Polyclonal Antibody | anti-MME antibody

Anti-CD10/Neprilysin Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA259416	Rabbit	Human	Immunocytochemistry, Immunohistochemistry, Western Blot

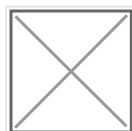
PRODUCT SYNONYMS

CD10/Neprilysin; Polyclonal Antibody; Anti-CD10/Neprilysin Antibody; Rabbit Polyclonal; CD10/Neprilysin Antibody; Rabbit PAb; Antigen Affinity Purified; membrane metallo-endopeptidase; Anti-CALLA Antibody; Anti-CD10 Antibody; Anti-CMT2T Antibody; Anti-EPN Antibody; Anti-NEP Antibody; Anti-SCA43 Antibody; Anti-SFE Antibody; anti-MME antibody

PRODUCT SPECIFICATIONS

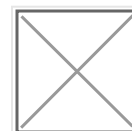
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human CD10/Neprilysin
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-MME antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant Human CD10/Neprilysin Protein (NP_000893.2; Tyr52-Trp750). CD10/Neprilysin specific IgG was purified by Human CD10/Neprilysin affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of His-MME in MCF7 cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-Human His-MME polyclonal antibody (dilution ratio 1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cell membrane.



IHC (Immunohistochemistry)

Immunochemical staining of human CD10 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

**IHC (Immunohistochemistry)**

Immunochemical staining of human CD10 in human lymphoma with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

**WB (Western Blot)**

Anti-CD10 rabbit polyclonal antibody at 1:1000 dilution Lane A: Raji Whole Cell Lysate Lysates/proteins at 30ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size:86 kDa Observed band size:100 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-MME antibody	The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alters the behavior of the cell. Some CD proteins do not take part in the cell signal process but have other functions such as cell adhesion. The cluster of differentiation 10 (CD10), also known as Neprilysin and neutral endopeptidase, is a member of the CD system. CD10 is a zinc-dependent metalloprotease enzyme that had the function to degrade some small secreted peptides such as the amyloid beta-peptide. It exists as a membrane-bound protein and has a high concentration in kidney and lung tissues. Mutations in the CD10 gene can induce the familial forms of Alzheimer's disease, providing strong evidence for the protein's association with the Alzheimer's disease process. CD10 is also associated with other biochemical processes.
References	Zol. H. e. al. (2007). C. molecule. 2006-huma. cel. differentiatio. molecules. . Immuno. Methods. 31. (1-2). 1-5.H. IC. e. al. (2009). GATA. an. th. T-cel. lineage. essentia. function. befor. an. afte. T-helper-2-cel. differentiation. Na. Re. Immunol. . (2). 125-35.Matesanz-Isabe. J. e. al. (2011). Ne. B-cel. C. molecules. Immunolog. Letters.13. (2). 104-12Dogan. e. al. (2000). CD1. an. BCL-. Expressio. i. Paraffi. Section. o. Norma. Lymphoi. Tissu. an. B-Cel. Lymphomas. America. Journa. o. Surgica. Pathology. 24(6). 846-52.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116256329
NCBI GeneID	4311
NCBI Accession #	NP_000893.2
NCBI GenBank Nucleotide #	NM_000902.3
UniProt Accession #	P08473 ; Q3MIX4 ; A8K6U6 ; D3DNJ9
Molecular Weight	750
NCBI Official Full Name	neprilysin
NCBI Official Synonym Full Names	membrane metallo-endopeptidase
NCBI Official Symbol	MME
NCBI Official Synonym Symbols	NEP; SFE; CD10; CALLA
NCBI Protein Information	neprilysin; enkephalinase; atriopetidase; skin fibroblast elastase; neutral endopeptidase 24.11; membrane metallo-endopeptidase variant 1; membrane metallo-endopeptidase variant 2; common acute lymphocytic leukemia antigen; membrane metallo-endopeptidase
UniProt Protein Name	Neprilysin
UniProt Gene Name	MME
UniProt Synonym Gene Names	EPN; CALLA; NEP; Neutral endopeptidase; SFE
UniProt Entry Name	NEP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd10-neprilysin-antibody-immunocytochemistry-immunohistochemistry-western-blot-elisa/259416>