

Rabbit CD10 Polyclonal Antibody | anti-MME antibody

Anti-CD10 Antibody

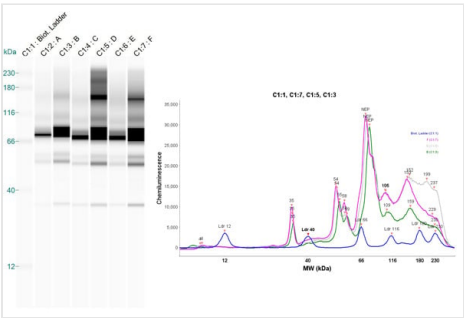
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA11606	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

CD10; Polyclonal Antibody; Anti-CD10 Antibody; Neprilysin; membrane metallo-endopeptidase; Atriopeptidase antibody; CALLA antibody; CD10 antibody; CD10 antigen antibody; Common acute lymphocytic leukemia antigen antibody; DKFZp686O16152 antibody; EC 3.4.24.11 antibody; Enkephalinase antibody; EPN antibody; gp100 antibody; Membrane metallo endopeptidase (neutral endopeptidase; enkephalinase) antibody; enkephalinase; CALLA; CD10) antibody; Membrane metallo endopeptidase antibody; Membrane metallo endopeptidase variant 1 antibody; Membrane metallo endopeptidase variant 2 antibody; Membrane metalloendopeptidase antibody; Membrane metalloendopeptidase neutral endopeptidase enkephalinase antibody; Membrane metalloendopeptidase neutral endopeptidase enkephalinase CALLA CD10 antibody; Membrane metalloendopeptidase variant 1 antibody; Membrane metalloendopeptidase variant 2 antibody; MGC126681 antibody; MGC126707 antibody; MME antibody; NEP antibody; NEP_HUMAN antibody; Neprilysin antibody; Neutral endopeptidase 24.11 antibody; Neutral endopeptidase antibody; SFE antibody; Skin fibroblast elastase antibody; anti-MME antibody

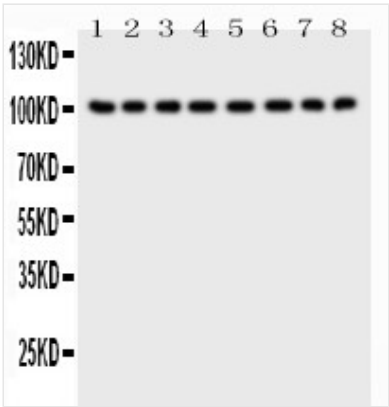
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	750
Applicable Applications for anti-MME antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	E Coli-derived human CD10 recombinant protein (Position: Y52-W750). Human CD10 shares 94% amino acid (aa) sequences identity with both mouse and rat CD10.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



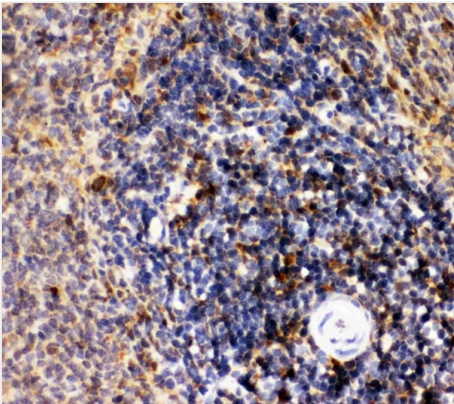
WB (Western Blot)

Applications: Western BlotSample: Rat PFCDetection: Protein Simple, Simple Western size-based assay"We selected this product as a polyclonal ab for our Tg Rat colony. We are interested in adding enzymatic catabolism/clearance of amyloid beta isoforms into our body of research. We purchased this product because it was cheap and we are looking at some 'proof-of-concept' and didn't need remarkable specificity. We still have much to investigate."



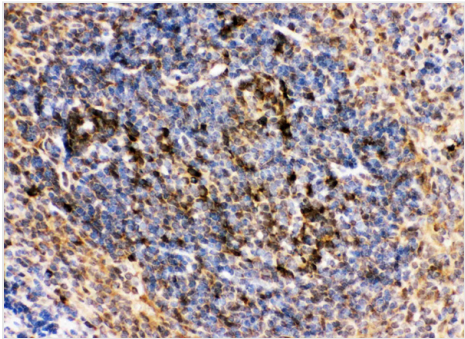
Application Data

Anti-CD10 Picoband antibody, AAA11606-5.jpgAll lanes: Anti-CD10(AAA11606) at 0.5ug/mLane 1: Rat Kidney Tissue Lysate at 40ugLane 2: Rat Brain Tissue Lysate at 40ugLane 3: Rat Liver Tissue Lysate at 40ugLane 4: Human Placenta Tissue Lysate at 40ugLane 5: HELA Whole Cell Lysate at 40ugLane 6: JURKAT Whole Cell Lysate at 40ugLane 7: RAJI Whole Cell Lysate at 40ugLane 8: 293T Whole Cell Lysate at 40ugPredicted bind size: 86KDObserved bind size: 100KD



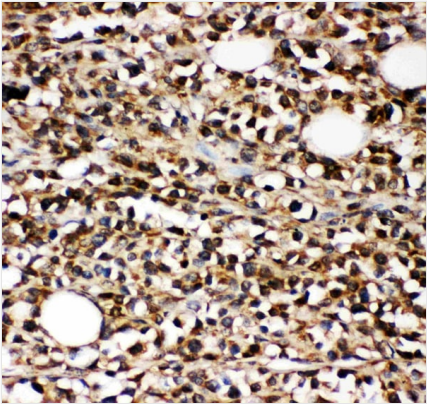
IHC (Immunohistochemistry)

Anti-CD10 Picoband antibody, AAA11606-4.JPGIHC(P): Rat Spleen Tissue



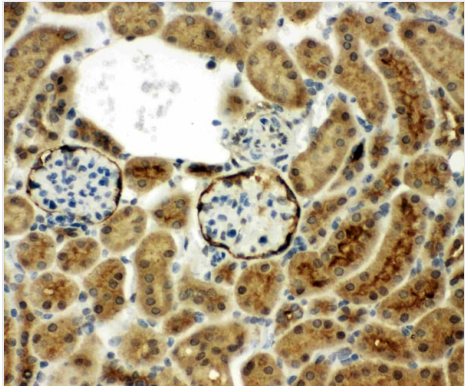
IHC (Immunohistochemistry)

Anti-CD10 Picoband antibody, AAA11606-3.JPGIHC(P): Mouse Spleen Tissue



IHC (Immunohistochemistry)

Anti-CD10 Picoband antibody, AAA11606-2.JPGIHC(P): Human B lymphocyte Cancer Tissue



IHC (Immunohistochemistry)

Anti-CD10 Picoband antibody, AAA11606-1.JPGIHC(P): Mouse Kidney Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-MME antibody	Description: Rabbit IgG polyclonal antibody for Neprilysin(MME) detection. Tested with WB, IHC-P in Human, Mouse, Rat. Background: CD10, also known as membrane metallo-endopeptidase, neutral endopeptidase(NEP), Neprilysin, or common acute lymphoblastic leukemia antigen(CALLA), is a zinc-dependent metalloprotease enzyme that degrades a number of small secreted peptides, most notably the amyloid beta peptide whose abnormal misfolding and aggregation in neural tissue has been implicated as a cause of Alzheimer's disease. This gene is localized to human chromosome 3 by study of somatic cell hybrids and regionalized the location to 3q21-q27 by in situ hybridization. By cDNA transfection analysis, CD10 is confirmed as a functional neutral endopeptidase of the type that has previously been called enkephalinase. CD10 has also been called atriopeptidase. Atriopeptidase specifically degrades atrial natriuretic factor. A specific enzyme inhibitor was developed and reported that it had effects similar to those of low-dose ANF infusion. These effects include diuresis, natriuresis, vasodilatation, and suppression of the renin-angiotensin-aldosterone system.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	128062
NCBI GeneID	4311
UniProt Accession #	P08473; Q3MIX4; A8K6U6; D3DNJ9
Molecular Weight	85,514 Da
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; atriopeptidase; neprilysin-390; neprilysin-411; 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 (neutral endopeptidase, enkephalinase); membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10)
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://www.aaabiotech.com/polyclonal/cd10-antibody-western-blot-immunohistochemistry-elisa/11606>