

For Research Use Only

Neprilysin/CD10 Monoclonal antibody, PBS Only

Catalog Number: 60034-3-PBS

Featured Product



Basic Information

Catalog Number:

60034-3-PBS

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG0427

GenBank Accession Number:

BC101658

GeneID (NCBI):

4311

UNIPROT ID:

P08473

Full Name:

membrane metallo-endoropeptidase

Calculated MW:

750 aa, 86 kDa

Observed MW:

100 kDa

Purification Method:

Protein A purification

CloneNo.:

4B9D9

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, pig, rabbit

Background Information

CD10, also known as neprilysin, membrane metallo-endoropeptidase (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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

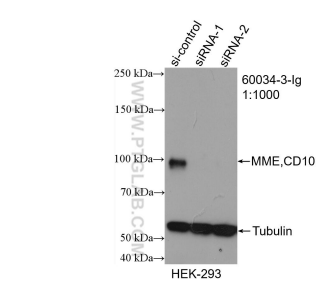
T: 4006900926

E: Proteintech-CN@ptglab.com

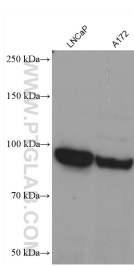
W: ptgcn.com

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

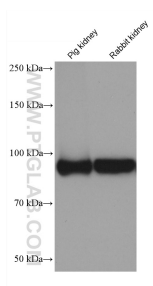
Selected Validation Data



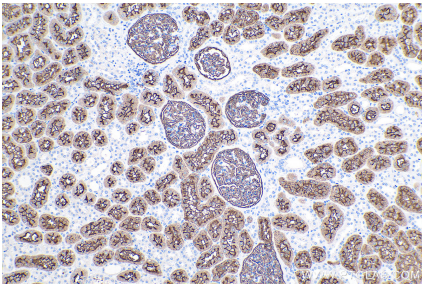
WB result of Neprilysin/CD10 antibody (60034-3-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Neprilysin/CD10 transfected HEK-293 cells. This data was developed using the same antibody clone with 60034-3-PBS in a different storage buffer formulation.



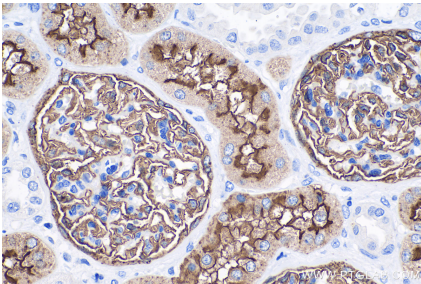
Various lysates were subjected to SDS PAGE followed by western blot with 60034-3-Ig (Neprilysin/CD10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60034-3-PBS in a different storage buffer formulation.



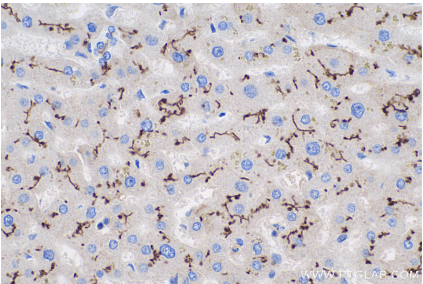
Various lysates were subjected to SDS PAGE followed by western blot with 60034-3-Ig (Neprilysin/CD10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60034-3-PBS in a different storage buffer formulation.



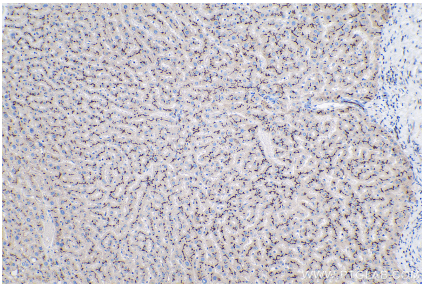
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 60034-3-Ig (Neprilysin/CD10 antibody) at dilution of 1:50000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60034-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney 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). This data was developed using the same antibody clone with 60034-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded 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). This data was developed using the same antibody clone with 60034-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded 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). This data was developed using the same antibody clone with 60034-3-PBS in a different storage buffer formulation.