

CD10/Neprilysin Rabbit mAb

Catalog No.: A29389

Recombinant

Basic Information

Observed MW

100 kDa

Calculated MW

86 kDa

Category

Primary antibody

Applications

WB, IF-F, IHC-P, ELISA

Cross-Reactivity

Mouse, Rat

CloneNo number

ARC4200

Background

Enables metallopeptidase activity. Involved in several processes, including amyloid-beta clearance; angiotensin maturation; and positive regulation of long-term synaptic potentiation. Acts upstream of or within amyloid-beta metabolic process; limbic system development; and memory. Located in several cellular components, including dendrite; neuron projection terminus; and synaptic vesicle. Is active in extracellular region. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; liver and biliary system; and mammary gland. Used to study Alzheimer's disease. Human ortholog(s) of this gene implicated in Alzheimer's disease; Charcot-Marie-Tooth disease axonal type 2T; cerebellar ataxia type 43; cerebral amyloid angiopathy; and membranous glomerulonephritis. Orthologous to human MME (membrane metalloendopeptidase).

Recommended Dilutions

WB 1:50000 - 1:200000

IF-F 1:2000 - 1:4000

IHC-P 1:500 - 1:2000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn

Immunogen Information

Gene ID

17380

Swiss Prot

Q61391

Immunogen

This information is considered to be commercially sensitive.

Synonyms

NEP; SFE; CD10; CALLA; 6030454K05Rik

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

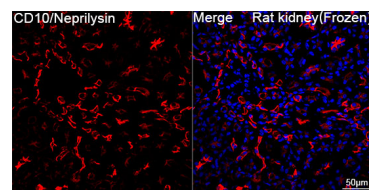
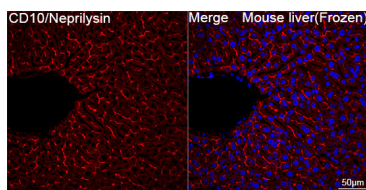
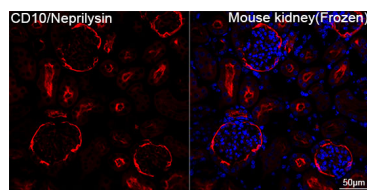
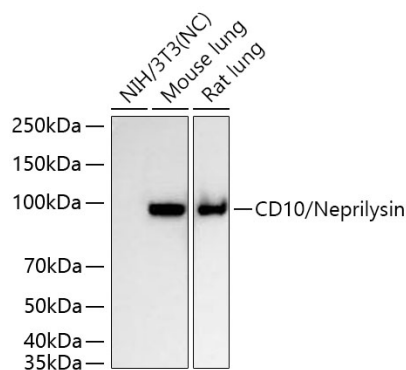
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.



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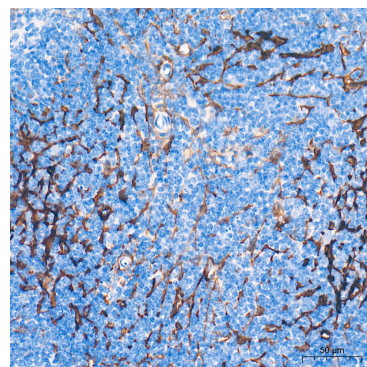
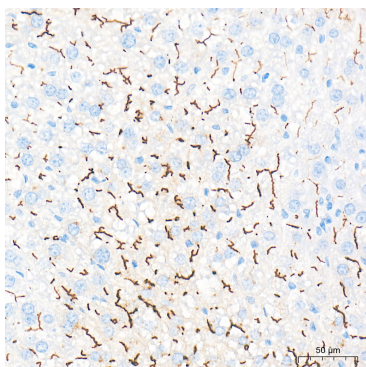
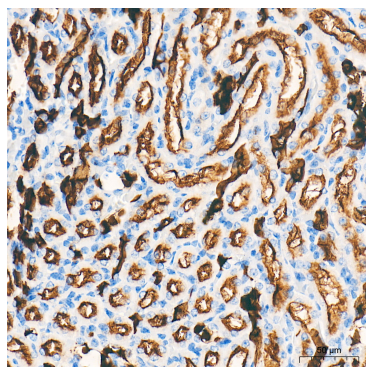
Validation Data



Confocal imaging of frozen sections of Mouse kidney tissue using CD10/Nepilysin Rabbit mAb (A29389, dilution 1:2000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

Confocal imaging of frozen sections of Mouse liver tissue using CD10/Nepilysin Rabbit mAb (A29389, dilution 1:2000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

Confocal imaging of frozen sections of Rat kidney tissue using CD10/Nepilysin Rabbit mAb (A29389, dilution 1:2000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

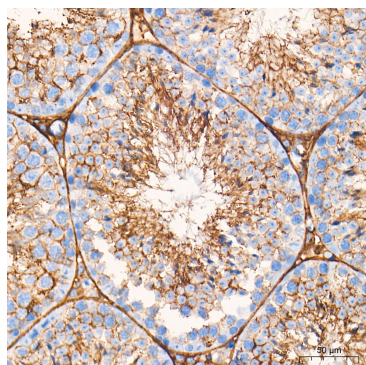


Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using CD10/Nepilysin Rabbit mAb (A29389) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

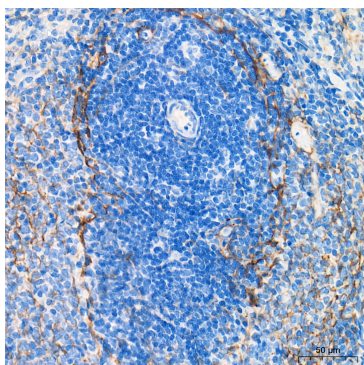
Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using CD10/Nepilysin Rabbit mAb (A29389) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using CD10/Nepilysin Rabbit mAb (A29389) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

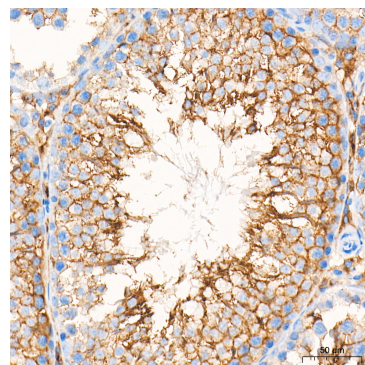
Validation Data



Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using CD10/Neprilysin Rabbit mAb (A29389) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using CD10/Neprilysin Rabbit mAb (A29389) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using CD10/Neprilysin Rabbit mAb (A29389) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.