

# ANPEP/CD13 Rabbit mAb

Catalog No.: A26949 **Recombinant**

## Basic Information

### Observed MW

160kDa

### Calculated MW

109kDa

### Category

Primary antibody

### Applications

WB,IHC-P,IF/ICC,ELISA

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC69826

## Background

Predicted to enable metalloaminopeptidase activity; peptide binding activity; and zinc ion binding activity. Predicted to be involved in several processes, including negative regulation of renal sodium excretion; peptide catabolic process; and proteolysis. Predicted to act upstream of or within angiogenesis and cell differentiation. Located in external side of plasma membrane. Is expressed in several structures, including alimentary system; brain; metanephros; reproductive system; and sensory organ. Orthologous to human ANPEP (alanyl aminopeptidase, membrane).

## Recommended Dilutions

**WB** 1:17000 - 1:102000

**IHC-P** 1:1000 - 1:10000

**IF/ICC** 1:200 - 1:2000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

16790

### Swiss Prot

P97449

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 69-966 of mouse CD13. (NP\_032512.2).

### Synonyms

Apn; AP-M; AP-N; Cd13; P150; CD13

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

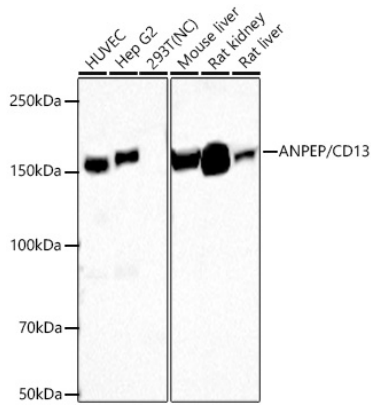
Affinity purification

### Storage

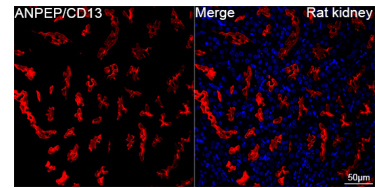
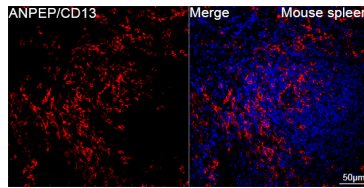
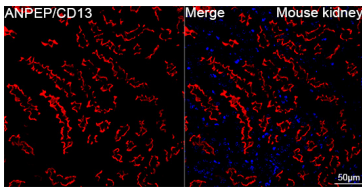
Store at -20°C. Avoid freeze / thaw cycles.

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

## Validation Data



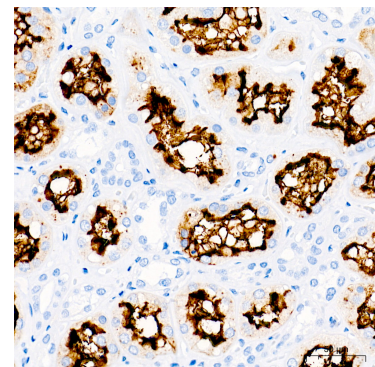
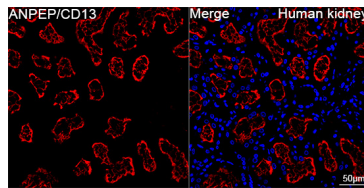
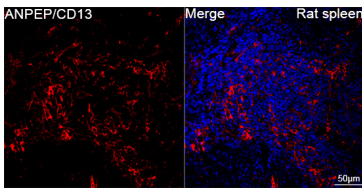
Western blot analysis of various lysates using ANPEP/CD13 Rabbit mAb (A26949) at 1:17000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Negative control (NC): 293T. Exposure time: 30s.



Confocal imaging of paraffin-embedded Mouse kidney tissue using ANPEP/CD13 Rabbit mAb (A26949, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

Confocal imaging of paraffin-embedded Mouse spleen tissue using ANPEP/CD13 Rabbit mAb (A26949, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

Confocal imaging of paraffin-embedded Rat kidney tissue using ANPEP/CD13 Rabbit mAb (A26949, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



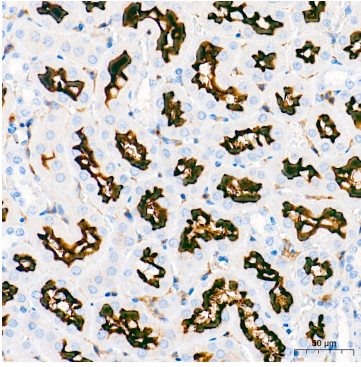
Confocal imaging of paraffin-embedded Rat spleen tissue using ANPEP/CD13 Rabbit mAb (A26949, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

Confocal imaging of paraffin-embedded Human kidney tissue using ANPEP/CD13 Rabbit mAb (A26949, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

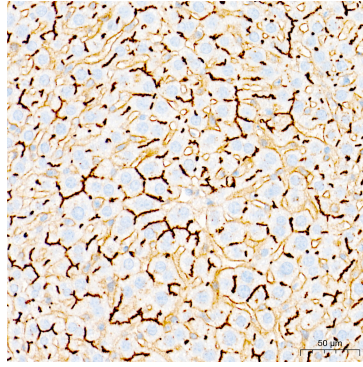
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using ANPEP/CD13 Rabbit mAb (A26949) at a dilution of 1:9000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

## Validation Data

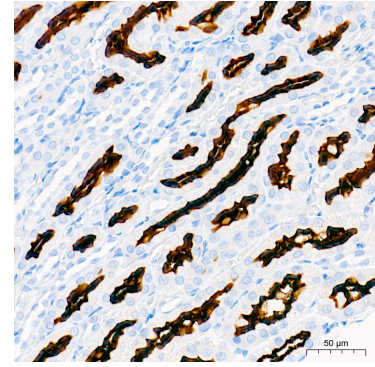
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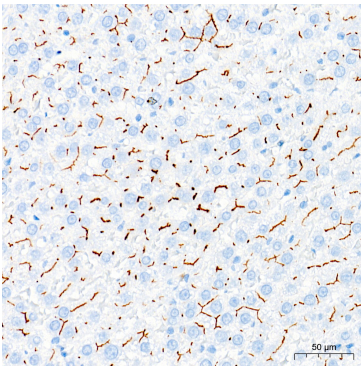
Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using ANPEP/CD13 Rabbit mAb (A26949) at a dilution of 1:9000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using ANPEP/CD13 Rabbit mAb (A26949) at a dilution of 1:9000 (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 kidney tissue using ANPEP/CD13 Rabbit mAb (A26949) at a dilution of 1:9000 (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 liver tissue using ANPEP/CD13 Rabbit mAb (A26949) at a dilution of 1:9000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.