

Rabbit anti-Mouse CD13 Monoclonal Antibody | anti-ANPEP antibody

Recombinant Anti-CD13 Antibody, Rabbit Monoclonal

CATALOG # AAA257046	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry, ELISA
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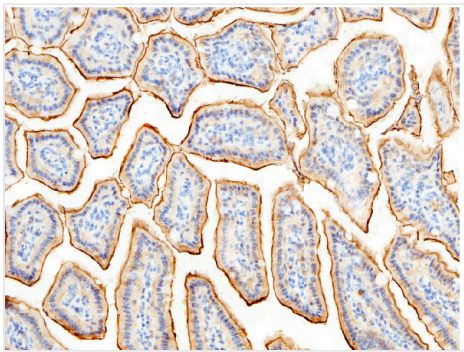
PRODUCT SYNONYMS

CD13; Monoclonal Antibody; Recombinant Anti-CD13 Antibody; Rabbit Monoclonal; CD13/ANPEP Antibody; Rabbit MAb; alanyl (membrane) aminopeptidase; Anti-AP-M Antibody; Anti-AP-N Antibody; Anti-Apn Antibody; Anti-Cd13 Antibody; Anti-P150 Antibody; anti-ANPEP antibody

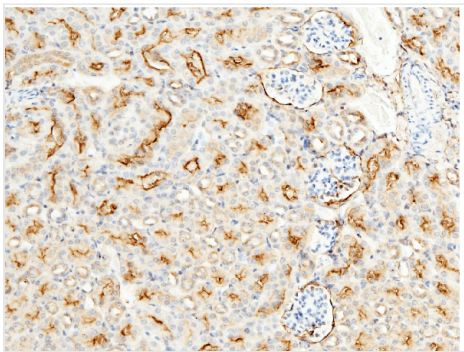
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	101
Specificity	Mouse ANPEP/APN/CD13. No cross-reactivity in ELISA with Human ANPEP/CD13
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ANPEP antibody	IHC (Immunohistochemistry), ELISA
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Mouse ANPEP protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse ANPEP metalloprotease domain (rM ANPEP).
Preparation and Storage	This antibody can be stored at 2-8 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.

IMAGES



IHC (Immunohistochemistry)
Immunochemical staining of mouse ANPEP in mouse intestines with rabbit monoclonal antibody (1:300, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of mouse ANPEP in mouse kidney with Rabbit Monoclonal Antibody (1:300, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-ANPEP antibody	Aminopeptidase N (ANPEP or APN), also known as CD13, is a cell-surface metalloprotease located in the small-intestinal and renal microvillar membrane, as well as other plasma membranes. It belongs to the peptidase M1 family. CD13 plays a role in the final digestion of peptides generated from hydrolysis of proteins by gastric and pancreatic proteases and is involved in the metabolism of regulatory peptides by diverse cell types. CD13/APN is a potent regulator of angiogenesis which is essential for tumor invasion and metastasis, and its transcription in activated endothelial cells is induced by angiogenic growth factors via the RAS/MAPK pathway. In addition, this enzyme has been shown to participate in antigen processing and presentation, and accordingly, defects in this gene appear to be a cause of various types of leukemia or lymphoma and carcinomas.
References	Pasqualini R, et al. (2000) Aminopeptidase N is a receptor for tumor-homing peptides and a target for inhibiting angiogenesis.Cancer Res. 60(3): 722-7.Mabjeesh SJ, et al. (2005) Aminopeptidase N gene expression and abundance in caprine mammary gland is influenced by circulating plasma peptide. J Dairy Sci. 88(6): 2055-64.Dunkel B, et al. (2009) Neutrophil and platelet activation in equine recurrent airway obstruction is associated with increased neutrophil CD13 expression, but not platelet CD41/61 and CD62P or neutrophil-platelet aggregate formation. Vet Immunol Immunopathol. 131(1-2): 25-32.

NCBI AND UNIPROT INFORMATION

NCBI GI #	225637487
NCBI GeneID	16790
NCBI Accession #	NP_032512.2
NCBI GenBank Nucleotide #	NM_008486.2
UniProt Accession #	P97449; Q91YH8; Q99K63; Q3TB69; Q3UP74
Molecular Weight	109,651 Da
NCBI Official Full Name	aminopeptidase N
NCBI Official Synonym Full Names	alanyl (membrane) aminopeptidase
NCBI Official Symbol	Anpep
NCBI Official Synonym Symbols	Apn; Cd13; Lap1; P150; Lap-1
NCBI Protein Information	aminopeptidase N; AP-M; AP-N; mAPN; aminopeptidase M; OTTMUSP00000025718; alanyl aminopeptidase; aminopeptidase N/CD13; membrane protein p161; microsomal aminopeptidase; leucine arylaminopeptidase 1, intestinal
UniProt Protein Name	Aminopeptidase N
UniProt Gene Name	Anpep

UniProt Synonym Gene Names	Lap-1; Lap1; AP-N; mAPN; AP-M
UniProt Entry Name	AMPN_MOUSE

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/monoclonal/cd13-antibody-clone-101-immunohistochemistry-elisa/257046>