

Rabbit anti-Rat CD13 Polyclonal Antibody | anti-ANPEP antibody

Anti-CD13 Antibody, Rabbit Polyclonal

CATALOG # AAA255075	HOST Rabbit	REACTIVITY Rat	APPLICATIONS Immunohistochemistry
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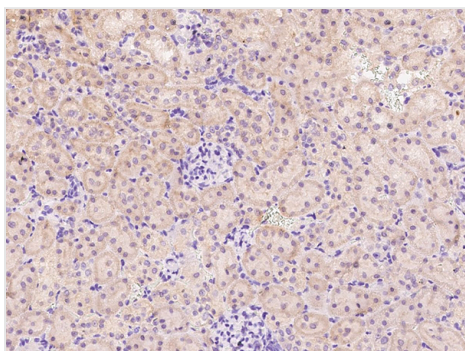
PRODUCT SYNONYMS

CD13; Polyclonal Antibody; Anti-CD13 Antibody; Rabbit Polyclonal; CD13/ANPEP Antibody; Rabbit PAb; Antigen Affinity Purified; alanyl (membrane) aminopeptidase; anti-ANPEP antibody

PRODUCT SPECIFICATIONS

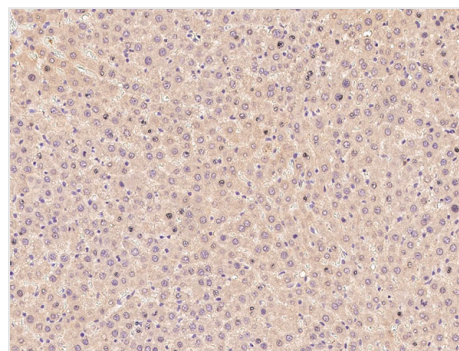
Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rat CD13/ANPEP
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ANPEP antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the center region of the Rat CD13/ANPEP
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Rat CD13/ANPEP, and purified by antigen affinity chromatography.
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 rat ANPEP in rat kidney with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of rat ANPEP in rat liver with rabbit polyclonal antibody at 1:300 dilution, 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. <i>Cancer Res.</i> 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. <i>J Dairy Sci.</i> 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. <i>Vet Immunol Immunopathol.</i> 131(1-2): 25-32.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13591914
NCBI GeneID	81641
NCBI Accession #	NP_112274.1
NCBI GenBank Nucleotide #	NM_031012.1
UniProt Accession #	P15684 ; Q9JHP4
Molecular Weight	109,449 Da
NCBI Official Full Name	aminopeptidase N
NCBI Official Synonym Full Names	alanyl aminopeptidase, membrane
NCBI Official Symbol	Anpep
NCBI Official Synonym Symbols	Apm; Apn; KZP; AP-M; AP-N; Lap1; rAPN
NCBI Protein Information	aminopeptidase N
UniProt Protein Name	Aminopeptidase N
UniProt Gene Name	Anpep
UniProt Synonym Gene Names	AP-N; rAPN; AP-M; KZP
UniProt Entry Name	AMPN_RAT

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/cd13-antibody-immunohistochemistry-elisa/255075>