Rabbit CD13/Anpep Polyclonal Antibody | anti-Anpep antibody

Anti-CD13/Anpep Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125453	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

CD13/Anpep; Polyclonal Antibody; Anti-CD13/Anpep Antibody; Aminopeptidase N; AP-N; rAPN; Alanyl aminopeptidase; Aminopeptidase M; AP-M; Kidney Zn peptidase; KZP; Microsomal aminopeptidase; CD13; Anpep; alanyl aminopeptidase; membrane; anti-Anpep antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	965
Applicable Applications for anti-Anpep antibody	ELISA (Direct ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived rat CD13/Anpep recombinant protein (Position: Q642-S965).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

WB (Western Blot)
Figure 1. Western blot analysis of Anpep using anti-Anpep antibody.

IHC (Immunohistochemisry)

IHC (Immunohiostchemistry)

IHC (Immunohistochemistry)

ADDITIONAL INFORMATION

Related Product Information for anti-Anpep antibody	Description: Rabbit IgG polyclonal antibody for CD13/Anpep detection. Tested with WB, IHC-P, Direct ELISA in Human; Mouse; Rat. Background: Membrane alanyl aminopeptidase (EC 3.4.11.2) also known as alanyl aminopeptidase (AAP) or aminopeptidase N (AP-N) is an enzyme that in humans is encoded by the ANPEP gene. It is mapped to 1q31. Aminopeptidase N is located in the small-intestinal and renal microvillar membrane, and also in other plasma membranes. In the small intestine aminopeptidase N plays a role in the final digestion of peptides generated from hydrolysis of proteins by gastric and pancreatic proteases. Its function in proximal tubular epithelial cells and other cell types is less clear. The large extracellular carboxyterminal domain contains a pentapeptide consensus sequence characteristic of members of the zinc-binding metalloproteinase superfamily. Sequence comparisons with known enzymes of this class showed that CD13 and aminopeptidase N are identical. The latter enzyme was thought to be involved in the metabolism of regulatory peptides by diverse cell types, including small intestinal and renal tubular epithelial cells, macrophages, granulocytes, and synaptic membranes from the CNS. Human aminopeptidase N is a receptor for one strain of human coronavirus that is an important cause of upper respiratory tract infections. Defects in this gene appear to be a cause of various types of leukemia or lymphoma.
References	1. Delmas, B., Gelfi, J., L'Haridon, R., Vogel, L. K., Sjostrom, H., Noren, O., Laude, H. Aminopeptidase N is a major receptor for the enteropathogenic coronavirus TGEV. Nature 357: 417-420, 1992. 2. Kruse, T. A., Bolund, L., Grzeschik, K.-H., Ropers, H. H., Olsen, J., Sjostrom, H., Noren, O. Assignment of the human aminopeptidase N (peptidase E) gene to chromosome 15q13-qter. FEBS Lett. 239: 305-308, 1988. 3. Look, A. T., Ashmun, R. A., Shapiro, L. H., Peiper, S. C. Human myeloid plasma membrane glycoprotein CD13 (gp150) is identical to aminopeptidase N. J. Clin. Invest. 83: 1299-1307, 1989.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13591914
NCBI GeneID	81641
NCBI Accession #	NP_112274.1
NCBI GenBank Nucleotide #	NP_112274.1
UniProt Accession #	P15684
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://stage.aaabiotech.com/polyclonal/cd13-anpep-antibody-direct-elisa-immunohistochemistry-western-blot-elisa/125453