

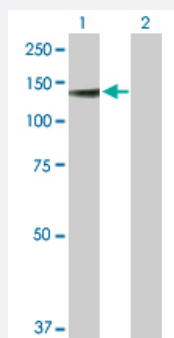
MaxPab®

ANPEP purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000290-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ANPEP expression in transfected 293T cell line ([H00000290-T02](#)) by ANPEP MaxPab polyclonal antibody.

Lane 1: ANPEP transfected lysate (109.50 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human ANPEP protein.

Immunogen

ANPEP (NP_001141.1, 1 a.a. ~ 967 a.a) full-length human protein.

Sequence

MAKGFYISKSLGILGILLGVAAVCTIALSVVYSQEKNKNANSSPVASTTPSASATTNPASATTLTQDS
KAWNRYRLPNTLKPDSYQVTLRPYLTPNDRGLYVFKGSSTVRFTCKEATDVIIHKKLNYTLSQGH
RVVLRGVGGSQPPDIDKTELVEPTEYLVVHLKGSLVKDSQYEMDSEFEGELADDLAGFYRSEYM
EGNVRKVVATTQMQAADARKSFPCFDEPAMKAEFNITLIHPKDLTALSNMLPKGPSTPLPEDPN
WNVTEFHHTPKMSTYLLAFIVSEFDYVEKQASNGVLIRIWARPSAIAAGHGDYALNVTGPILNFFAG
HYDTPYPLPKSDQIGLPDFNAGAMENWGLVITYRENSLLFDPLSSSSSNKERVVTVIAHELAHQWF
GNLVTIEWWNDLWLNIEGFASYVEYLADYAEPTWNLKDLMLVNDVYRVMVAVDALASSHPLSTPA
SEINTPAQISELFDAYSISKGASVLRMLSSFLSEDFVKQGLASYLHTFAYQNTIYLNLDHLEAVN
NRSIQLPTTVRDIMNRWTLQMGFPVITVDTSTGTLSQEHFLDPDSNVTRPSEFNYYWVWVITPITSIRDG
RQQQDYWLIDVRAQNDFSTSGNEWVLLNLNVTGYRVNYDEENWRKIQTQLQRDHSAPVINRA
QIINDAFNLASAHKVPVTLALNNTLFLIEERQYMPWEAALSSLSYFKLMFDRSEVYGPMKNYLKKQ
VTPLFIHFRNNTNNWREIPENLMDQYSEVNAISTACSNGVPECEEMVSGLFKQWMENPNNNPIHP
NLRSTVYCNAIAQGGEEDWFAWEQFRNATLVNEADKLRAALACSKELWILNRYLSYTLNPDILRK
QDATSTIISITNNVIGQGLVWDFVQSNWKKLFNDYGGGSFSSNLIQAVTRRFSTEYELQQLEQFKK
DNEETGFGSGTRALEQALEKTKANIKWVKENKEVVLQWFTENSK

Host

Rabbit

Reactivity	Human
Interspecies Antigen Sequence	Mouse (76); Rat (78)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — ANPEP

Entrez GeneID	290
GeneBank Accession#	NM_001150.1
Protein Accession#	NP_001141.1
Gene Name	ANPEP
Gene Alias	APN, CD13, LAP1, PEPN, gp150, p150
Gene Description	alanyl (membrane) aminopeptidase
Omim ID	151530
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

OTTHUMP00000194690|aminopeptidase M|aminopeptidase N|membrane alanine aminopeptidase|microsomal aminopeptidase

Pathway

- [Glutathione metabolism](#)
- [Hematopoietic cell lineage](#)
- [Metabolic pathways](#)
- [Renin-angiotensin system](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Lung Neoplasms](#)
- [Tobacco Use Disorder](#)