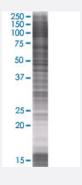


ANPEP 293T Cell Transient Overexpression Lysate(Denatured)

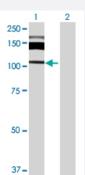
Catalog # H00000290-T01 Size 100 uL

Applications



SDS-PAGE Gel

ANPEP transfected lysate.



Western Blot

Lane 1: ANPEP transfected lysate (106.48 KDa)

Lane 2: Non-transfected lysate.

Specification	
Transfected Cell Line	293T
Plasmid	pCMV-ANPEP full-length
Host	Human
Theoretical MW (kDa)	106.48
Interspecies Antigen Sequence	Mouse (76); Rat (78)



Product Information

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-ANPEP antibody (H00000290-B01) by We stern Blots. SDS-PAGE Gel ANPEP transfected lysate. Western Blot Lane 1: ANPEP transfected lysate (106.48 KDa) Lane 2: Non-transfected lysate.
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bro mophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

Western Blot

Gene Info — ANPEP	
Entrez GeneID	<u>290</u>
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	<u>151530</u>
Gene Ontology	<u>Hyperlink</u>



Product Information

Gene Summary

Aminopeptidase N is located in the small-intestinal and renal microvillar membrane, and also in ot her 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 carboxyt erminal domain contains a pentapeptide consensus sequence characteristic of members of the zi nc-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 in volved 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 CN S. 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

 $\label{eq:otthump00000194690} OTTHUMP00000194690 | aminopeptidase \ M| aminopeptidase \ N| membrane \ alanine \ aminopeptidase \ ase | microsomal \ aminopeptidase \ M| aminopeptidase \$

Pathway

- Glutathione metabolism
- Hematopoietic cell lineage
- Metabolic pathways
- Renin-angiotensin system

Disease

- Genetic Predisposition to Disease
- Hypertension
- Lung Neoplasms
- Tobacco Use Disorder