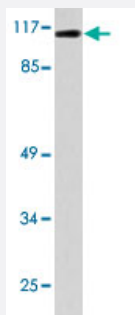


ANPEP polyclonal antibody

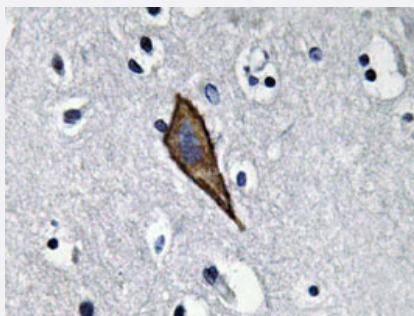
Catalog # PAB25171 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of mouse liver tissue with ANPEP polyclonal antibody (Cat # PAB25171).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissue using ANPEP polyclonal antibody (Cat # PAB25171).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ANPEP.
Immunogen	A synthetic peptide corresponding to ANPEP.
Host	Rabbit
Theoretical MW (kDa)	110
Reactivity	Human
Specificity	ANPEP polyclonal antibody detects endogenous levels of ANPEP protein.
Form	Liquid

Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of mouse liver tissue with ANPEP polyclonal antibody (Cat # PAB25171).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissue using ANPEP polyclonal antibody (Cat # PAB25171).

Gene Info — ANPEP

Entrez GeneID	290
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](#)