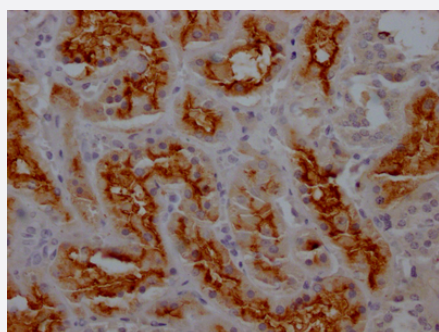


RecomAb™

# ANPEP recombinant monoclonal antibody, clone 6E9

Catalog # RAB03999      Size 100 uL

## Applications



### Immunohistochemistry

Immunohistochemistry image of ANPEP recombinant monoclonal antibody, clone 6E9 diluted at 1:100 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system.

## Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ANPEP.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human ANPEP.
Reactivity	Human
Form	Liquid
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	store at -20 °C or -80 °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

- Immunohistochemistry

Immunohistochemistry image of ANPEP recombinant monoclonal antibody, clone 6E9 diluted at 1:100 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond<sup>TM</sup> system.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — ANPEP

Entrez GeneID [290](#)

Protein Accession# [P15144](#)

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](#)