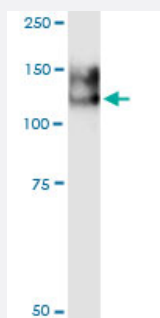


ANPEP (Human) IP-WB Antibody Pair

Catalog # H00000290-PW1

Size 1 Set

Applications



Immunoprecipitation of ANPEP transfected lysate using rabbit polyclonal anti-ANPEP and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse purified polyclonal anti-ANPEP.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (56%); Rat (52%)
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of ANPEP transfected lysate using rabbit polyclonal anti-ANPEP and Protein A Magnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-ANPEP.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-ANPEP (300 ul) 2. Antibody pair for WB: mouse purified polyclonal anti-ANPEP (50 ug)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

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](#)