

Anti-ANPEP Antibody

CATALOG NO.: A2100-100 (100 µg)

BACKGROUND DESCRIPTION: 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.

ALTERNATE NAMES: Alanyl (membrane) aminopeptidase; Alanyl aminopeptidase; Aminopeptidase M; Aminopeptidase N; AMPN_HUMAN; ANPEP; AP M; AP N; AP-M; AP-N; APN; CD 13; CD13; gp150; hAPN; LAP 1; LAP1; Microsomal aminopeptidase; Myeloid plasma membrane glycoprotein CD13; p150; PEPN

ANTIBODY TYPE: Polyclonal

HOST/ISOTYPE: Rabbit / IgG

IMMUNOGEN: Recombinant Human Aminopeptidase N protein

MOLECULAR WEIGHT: 110 kDa

PURIFICATION: Protein G purified

FORM: Liquid

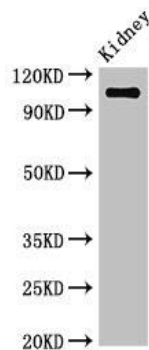
FORMULATION: In 0.01 M PBS, pH 7.4, 50% Glycerol, 0.03% proclin 300

SPECIES REACTIVITY: Human, Mouse

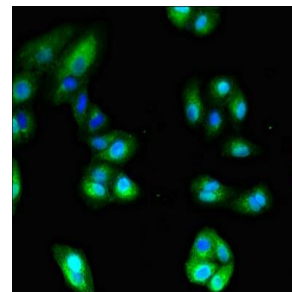
STORAGE CONDITIONS: Store at -20°C. Avoid freeze / thaw cycles

APPLICATIONS AND USAGE: WB 1:500-1:5000, IHC 1:20-1:200, IF 1:50-1:200

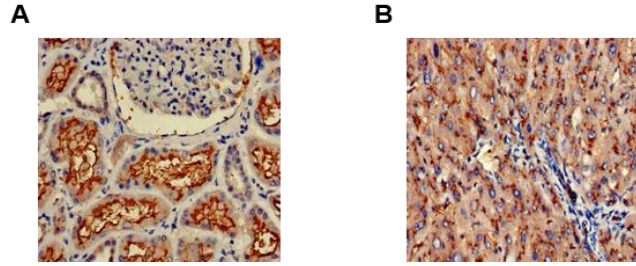
This information is only intended as a guide. The optimal dilutions must be determined by the user



Western Blot analysis of mouse kidney tissue using Anti-ANPEP antibody at a concentration of 3.4 µg/ml. Goat polyclonal to rabbit IgG was used as secondary antibody at 1:50,000 dilution.



Immunofluorescence analysis of HepG2 cells using Anti-ANPEP antibody at dilution of 1:100. Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG (H+L) was used as secondary antibody.



Immunohistochemical analysis of paraffin-embedded human kidney (A) and human liver tissue (B) using Anti-ANPEP antibody at dilution of 1:100.

RELATED PRODUCTS:

FGF-1 Antibody (5034)
TGF-alpha Antibody (5339)
ANGPT1 Antibody (CT) (6760)
VEGF Antibody (5365)

FOR RESEARCH USE ONLY! Not to be used on humans.