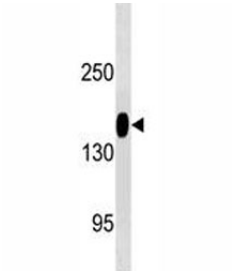
ANPEP Antibody [clone 505CT12.1.2] (F40379)

Catalog No.	Formulation	Size
F40379-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40379-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	505CT12.1.2
Purity	Purified
UniProt	P15144
Applications	Western blot: 1:100-1:250
Limitations	This ANPEP antibody is available for research use only.



ANPEP antibody western blot analysis in HepG2 lysate

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.

For additional information and reagents targeting this cell surface metalloprotease and myeloid marker, visit our CD13 Antibody / Myeloid Cell Marker page.

Application Notes

Titration of the ANPEP antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 156-184 from the human protein was used as the immunogen for this ANPEP antibody.

Storage

Aliquot the ANPEP antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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