A Reliable Research Partner in Life Science and Medicine

CD13 / ANPEP Monoclonal Antibody

catalog number: AN200163P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human

Recombinant Human CD13 /ANPEP Protein Immunogen

Host Mouse Isotype lgG1 Clone A1015 **Purification** Protein A

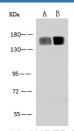
Buffer 0.2 µm filtered solution in PBS

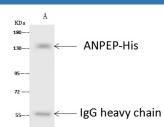
Applications Recommended Dilution

1:500-1:2000 WB

5-10 µL/mg of lysate ΙP

Data





Western Blot with ANPEP Monoclonal Antibody at dilution of Immunoprecipitation analysis using 4 µL anti-ANPEP-His 1:500 dilution. Lane A: Jurkat Whole Cell Lysate, Lane B: HepG2 Whole Cell Lysate, Lysates/proteins at 30 µg per lane

> Observed-MW:150 kDa Calculated-MW:150 kDa

Monoclonal Antibody and 60 µg of Immunomagnetic beads Protein A/G. Western blot was performed from the immunoprecipitate using ANPEP-His Monoclonal Antibody at a dilution of 1:100. Lane A:0.5 mg HEPG2 Whole Cell

> Lysate Observed-MW:150 kDa Calculated-MW:150 kDa

Preparation & Storage

This antibody can be stored at 2°C-8°C for one month without detectable loss of **Storage**

> activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping Ice bag

Background

Toll-free: 1-888-852-8623 Fax: 1-832-243-6017 Tel: 1-832-243-6086 Web: www.elabscience.com Email: techsupport@elabscience.com Rev. V1.1

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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.

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