antibodies - online.com







anti-CD13 antibody (AA 34-219)





Overview

Quantity:	100 μg
Target:	CD13 (ANPEP)
Binding Specificity:	AA 34-219
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Aminopeptidase N protein (34-219AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified
Purity:	> 95 %

Target Details

Target:	CD13 (ANPEP)
Alternative Name:	ANPEP (ANPEP Products)
Background:	Background: Broad specificity aminopeptidase. Plays a role in the final digestion of peptides
	generated from hydrolysis of proteins by gastric and pancreatic proteases. May play a critical

role in the pathogenesis of cholesterol gallstone disease. May be involved in the metabolism of regulatory peptides of diverse cell types, responsible for the processing of peptide hormones, such as angiotensin III and IV, neuropeptides, and chemokines. Found to cleave antigen peptides bound to major histocompatibility complex class II molecules of presenting cells and to degrade neurotransmitters at synaptic junctions. Is also implicated as a regulator of IL-8 bioavailability in the endometrium, and therefore may contribute to the regulation of angiogenesis. Is used as a marker for acute myeloid leukemia and plays a role in tumor invasion. In case of human coronavirus 229E (HCoV-229E) infection, serves as receptor for HCoV-229E spike glycoprotein. Mediates as well human cytomegalovirus (HCMV) infection. Aliases: Alanyl (membrane) aminopeptidase antibody, Alanyl aminopeptidase antibody, ANPEP antibody, AP M antibody, AP N antibody, AP-M antibody, AP-N antibody, APN antibody, CD 13 antibody, CD13 antibody, CD13 antibody, Microsomal aminopeptidase antibody, Myeloid plasma membrane glycoprotein CD13 antibody, p150 antibody, PEPN antibody

UniProt: P15144

Pathways: Peptide Hormone Metabolism, Regulation of Systemic Arterial Blood Pressure by Hormones

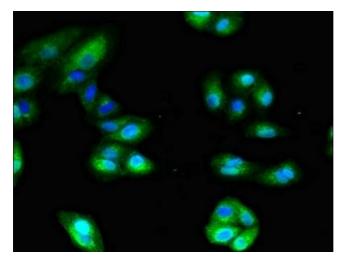
Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

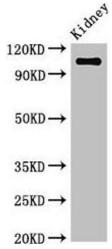
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



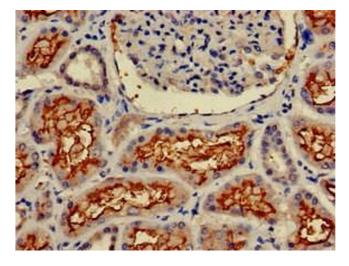
Immunofluorescence

Image 1. Immunofluorescent analysis of HepG2 cells using ABIN6953147 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Western Blotting

Image 2. Positive WB detected in: Mouse kidney tissue All lanes: ANPEP antibody at $3.4\,\mu\text{g/mL}$ Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 110 kDa Observed band size: 110 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN6953147 at dilution of 1:100

Please check the product details page for more images. Overall 4 images are available for ABIN6953147.