

Anti-CD13 Antibody

Rabbit polyclonal antibody to CD13

Catalog # AP59480

Product Information

Application	WB
Primary Accession	P15144
Other Accession	P97449
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	109540

Additional Information

Gene ID	290
Other Names	APN; CD13; PEPN; Aminopeptidase N; AP-N; hAPN; Alanyl aminopeptidase; Aminopeptidase M; AP-M; Microsomal aminopeptidase; Myeloid plasma membrane glycoprotein CD13; gp150; CD13
Target/Specificity	Recognizes endogenous levels of CD13 protein.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	ANPEP
Synonyms	APN, CD13, PEPN
Function	<p>Broad specificity aminopeptidase which plays a role in the final digestion of peptides generated from hydrolysis of proteins by gastric and pancreatic proteases. Also involved in the processing of various peptides including peptide hormones, such as angiotensin III and IV, neuropeptides, and chemokines. May also be involved the cleavage of peptides bound to major histocompatibility complex class II molecules of antigen presenting cells. May have a role in angiogenesis and promote cholesterol crystallization. May have a role in amino acid transport by acting as binding partner of amino acid transporter SLC6A19 and regulating its activity (By similarity).</p> <p>Cell membrane; Single-pass type II membrane protein. Note=Also found as a</p>

Cellular Location

soluble form

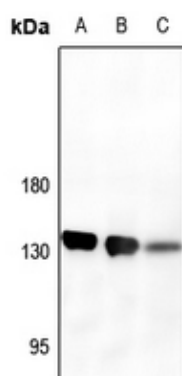
Tissue Location

Expressed in epithelial cells of the kidney, intestine, and respiratory tract; granulocytes, monocytes, fibroblasts, endothelial cells, cerebral pericytes at the blood-brain barrier, synaptic membranes of cells in the CNS. Also expressed in endometrial stromal cells, but not in the endometrial glandular cells. Found in the vasculature of tissues that undergo angiogenesis and in malignant gliomas and lymph node metastases from multiple tumor types but not in blood vessels of normal tissues. A soluble form has been found in plasma. It is found to be elevated in plasma and effusions of cancer patients.

Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CD13. The exact sequence is proprietary.

Images



Western blot analysis of CD13 expression in mouse kidney (A), rat kidney (B), Panc1 (C) whole cell lysates.

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