

**KD-Validated Anti-CD13 Rabbit Monoclonal Antibody**  
**Rabbit monoclonal antibody**  
**Catalog # AGI1179****Specification****KD-Validated Anti-CD13 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	<a href="#">P15144</a>
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 110 kDa, observed, 150 kDa
Gene Name	KDa
Aliases	ANPEP ANPEP; Alanyl Aminopeptidase, Membrane; AP-N; HAPN; Microsomal Aminopeptidase; Aminopeptidase N; Aminopeptidase M; LAP1; P150; CD13; PEPN; Myeloid Plasma Membrane Glycoprotein CD13; Alanyl (Membrane) Aminopeptidase; Membrane Alanyl Aminopeptidase; EC 3.4.11.2; Gp150; GP150; AP-M; APN; Alanyl; Aminopeptidase; CD13 Antigen; EC 3.4.11
Immunogen	A synthesized peptide derived from human CD13

**KD-Validated Anti-CD13 Rabbit Monoclonal Antibody - Additional Information**

Gene ID	290
<b>Other Names</b>	
Aminopeptidase N, AP-N, hAPN, 3.4.11.2, Alanyl aminopeptidase, Aminopeptidase M, AP-M, Microsomal aminopeptidase, Myeloid plasma membrane glycoprotein CD13, gp150, CD13, ANPEP, APN, CD13, PEPN	

**KD-Validated Anti-CD13 Rabbit Monoclonal Antibody - Protein Information****Name** ANPEP**Synonyms** APN, CD13, PEPN**Function**

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).

### Cellular Location

Cell membrane; Single-pass type II membrane protein. Note=Also found as a soluble form

### Tissue Location

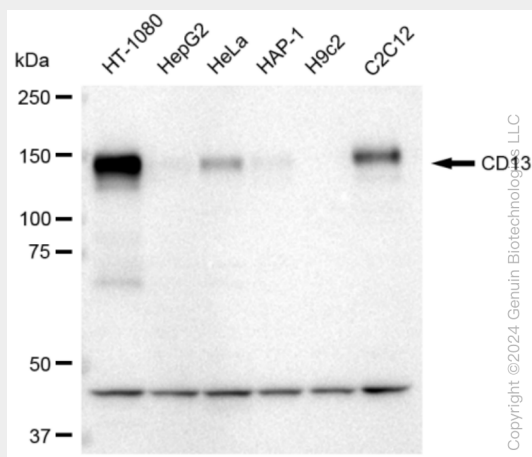
Expressed in epithelial cells of the kidney, intestine, and respiratory tract; granulocytes, monocytes, fibroblasts, endothelial cells, cerebral pericytes at the blood-brain barrier, synaptic membranes of cells in the CNS. Also expressed in endometrial stromal cells, but not in the endometrial glandular 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.

### KD-Validated Anti-CD13 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### KD-Validated Anti-CD13 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-CD13 antibody (Cat#AGI1179). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CD13 antibody (Cat#AGI1179, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

