

Recombinant

DGRmAb®

**CD13 (DGR11805) Rabbit mAb (PBS Only)**

db11477-PBS

Package : 10µg 100µg

**Product Name** : CD13 (DGR11805) Rabbit mAb (PBS Only)**Cat.No.:** db11477-PBS**Synonyms** : APN; CD13; LAP1; P150; PEPN; GP150**Application** : WB, IHC-P, ICC/IF, IP**Reactivity** : Human,Rat**Host species** : Rabbit**Background**

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. [provided by RefSeq, Jul 2008]

**Immunogen**

A synthetic peptide of human CD13

**Gene ID**

290

**Swiss Prot**

P15144

**Synonyms**

APN; CD13; LAP1; P150; PEPN; GP150

**Reactivity**

Human,Rat

**Application**

WB, IHC-P, ICC/IF, IP

**Calculated MW**

110 kDa

**Observed MW**

160 kDa

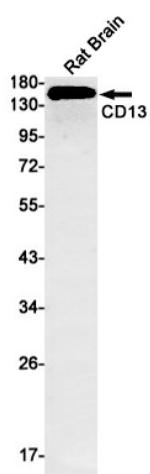
**Host species**

Rabbit

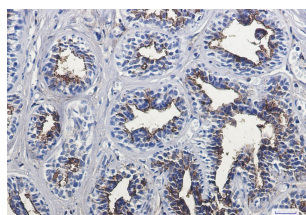
**Clonality**

Monoclonal

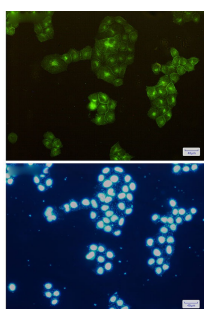
<b>Clonality No.</b>	DGR11805
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Concentration</b>	1 mg/mL
<b>Formulation</b>	PBS Only
<b>Storage Stability</b>	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot detection of CD13 in Rat Brain cell using CD13 antibody(1:1000 diluted).



Immunohistochemical analysis of paraffin-embedded human breast cancer using [db11477](#) antibody.



Immunofluorescent analysis of HeLa cells using [db11477](#) antibody (green), and DAPI (blue).