

Product datasheet for **TA350805S**

CD13 (ANPEP) Rabbit Polyclonal Antibody

Product data:

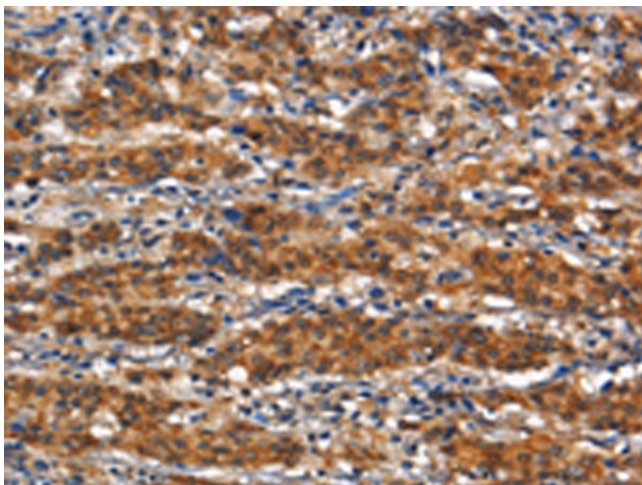
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 100-300 Positive control: Human gastric cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human ANPEP
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	alanyl aminopeptidase, membrane
Database Link:	NP_001141 Entrez Gene 16790 Mouse Entrez Gene 81641 Rat Entrez Gene 290 Human P15144

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.

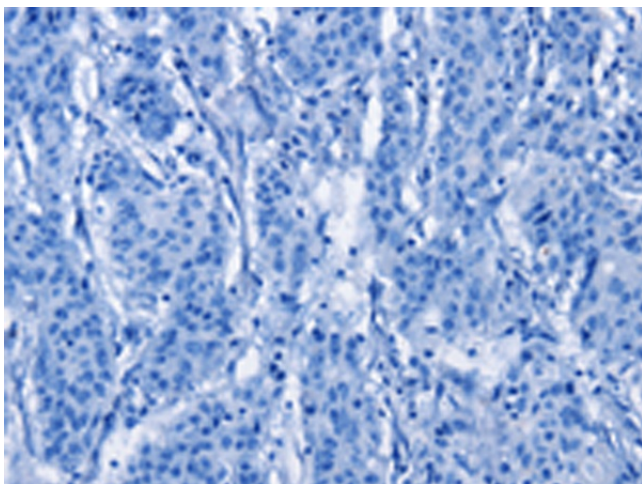


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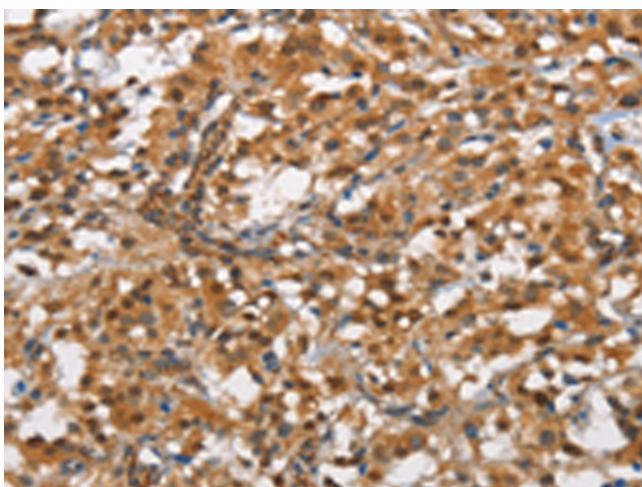
Synonyms:	APN; CD13; GP150; LAP1; P150; PEPN
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Protease, Transmembrane
Protein Pathways:	Glutathione metabolism, Hematopoietic cell lineage, Metabolic pathways, Renin-angiotensin system

Product images:

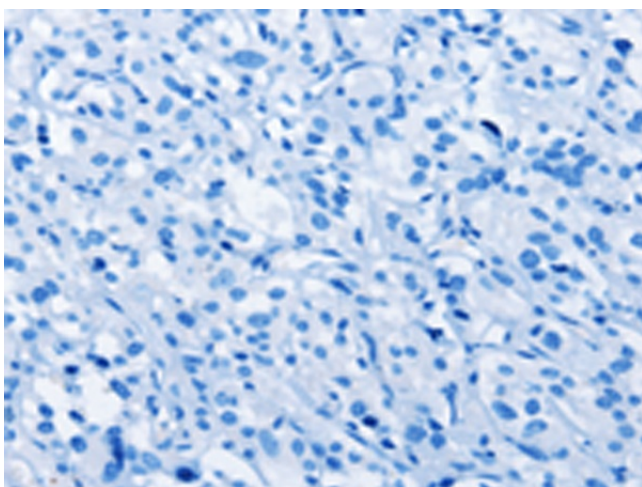
Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA350805] (ANPEP Antibody) at dilution 1/80 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA350805] (ANPEP Antibody) at dilution 1/80, treated with synthetic peptide. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA350805] (ANPEP Antibody) at dilution 1/80 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA350805] (ANPEP Antibody) at dilution 1/80, treated with synthetic peptide. (Original magnification: $\times 200$)