# Aminopeptidase N (ANPEP) Antibody

Catalogue No.:abx025435


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.

| | |
|---|---|
| **Target:** | Aminopeptidase N (ANPEP) |
| **Clonality:** | Monoclonal |
| **Reactivity:** | Human |
| **Tested Applications:** | ELISA, WB |
| **Host:** | Mouse |
| **Recommended dilutions:** | WB: 1/500 - 1/1000. Optimal dilutions/concentrations should be determined by the end user. |
| **Conjugation:** | Unconjugated |
| **Immunogen:** | Purified His-tagged Human ANPEP protein (Fragment) |
| **Isotype:** | $IgG_1$ |
| **Form:** | Liquid |
| **Purification:** | Purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS. |
| **Storage:** | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles. |




Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com

| | |
|---|---|
| **UniProt Primary AC:** | P15144 (UniProt, ExPASy) |
| **Gene Symbol:** | ANPEP |
| **GeneID:** | 290 |
| **OMIM:** | 151530 |
| **HGNC:** | 500 |
| **KEGG:** | hsa:290 |
| **Ensembl:** | ENSG00000166825 |
| **String:** | 9606.ENSP00000300060 |
| **Molecular Weight:** | Calculated MW: 110 kDa |
| **Buffer:** | PBS containing 0.09% sodium azide. |
| **Note:** | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. |




Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com