

## ANPEP recombinant antibody

ANPEP Antibody

|                               |                       |                            |                                                    |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA244018</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------|

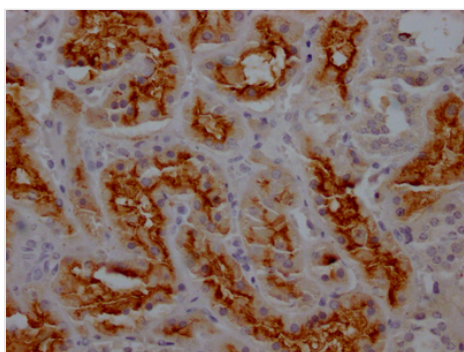
### PRODUCT SYNONYMS

ANPEP; Monoclonal Recombinant Antibody; ANPEP Antibody; Aminopeptidase N (AP-N) (hAPN) (EC 3.4.11.2) (Alanyl aminopeptidase) (Aminopeptidase M) (AP-M) (Microsomal aminopeptidase) (Myeloid plasma membrane glycoprotein CD13) (gp150) (CD antigen CD13); APN CD13 PEPN; ANPEP recombinant antibody

### PRODUCT SPECIFICATIONS

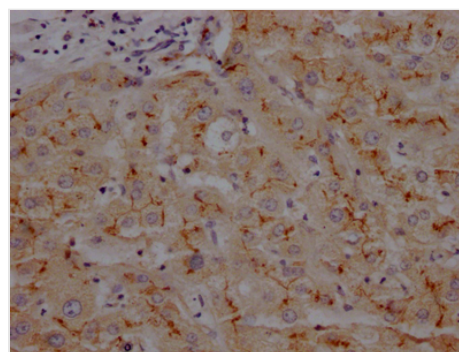
|                                                        |                                                                                                          |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Host                                                   | Rabbit                                                                                                   |
| Reactivity                                             | Human                                                                                                    |
| Clonality                                              | Monoclonal                                                                                               |
| Isotype                                                | Rabbit IgG                                                                                               |
| Clone Number                                           | 6E9                                                                                                      |
| Purity/Purification                                    | Affinity-chromatography                                                                                  |
| Form/Format                                            | Liquid. Rabbit IgG in phosphate buffered saline, PH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Applicable Applications for ANPEP recombinant antibody | IHC (Immunohistochemistry), ELISA                                                                        |
| Antibody Type                                          | Recombinant Antibody                                                                                     |
| Conjugation                                            | Non-conjugated                                                                                           |
| Immunogen                                              | A synthesized peptide derived from human CD13                                                            |
| Preparation and Storage                                | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.                              |

### IMAGES



#### IHC (Immunohistochemistry)

IHC image diluted at 1:100 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



#### IHC (Immunohistochemistry)

IHC image diluted at 1:100 and staining in paraffin-embedded human liver tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ANPEP recombinant antibody | 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. |
| Product Categories/Family for ANPEP recombinant antibody   | <a href="#">Immunology</a> ; <a href="#">Stem cells</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">157266300</a>                                                                                                                           |
| NCBI GeneID                      | <a href="#">290</a>                                                                                                                                 |
| NCBI Accession #                 | <a href="#">NP_001141.2</a>                                                                                                                         |
| NCBI GenBank Nucleotide #        | <a href="#">NM_001150.2</a>                                                                                                                         |
| UniProt Accession #              | <a href="#">P15144</a> ; <a href="#">Q16728</a> ; <a href="#">Q6GT90</a> ; <a href="#">Q8IUK3</a> ; <a href="#">Q8IVH3</a> ; <a href="#">Q9UCE0</a> |
| Molecular Weight                 | 109,540 Da                                                                                                                                          |
| NCBI Official Full Name          | aminopeptidase N                                                                                                                                    |
| NCBI Official Synonym Full Names | alanyl (membrane) aminopeptidase                                                                                                                    |
| NCBI Official Symbol             | ANPEP                                                                                                                                               |
| NCBI Official Synonym Symbols    | APN; CD13; LAP1; P150; PEPN; GP150                                                                                                                  |
| NCBI Protein Information         | aminopeptidase N; AP-M; AP-N; hAPN; aminopeptidase M; alanyl aminopeptidase; microsomal aminopeptidase; myeloid plasma membrane glycoprotein CD13   |
| UniProt Protein Name             | Aminopeptidase N                                                                                                                                    |
| UniProt Gene Name                | <b>ANPEP</b>                                                                                                                                        |
| UniProt Synonym Gene Names       | APN; CD13; PEPN; AP-N; hAPN; AP-M                                                                                                                   |
| UniProt Entry Name               | AMPN_HUMAN                                                                                                                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/anpep-recombinant-antibody-clone-6e9-immunohistochemistry-elisa/244018>