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# Anti-Carboxypeptidase N 1 Antibody

Catalog # AP59522

## Product Information

| | |
|---|---|
| **Application** | WB, IHC |
| **Primary Accession** | P15169 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 52286 |

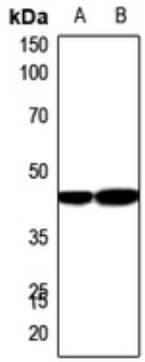
## Additional Information

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|---|---|
| **Gene ID** | 1369 |
| **Other Names** | ACBP; Carboxypeptidase N catalytic chain; CPN; Anaphylatoxin inactivator; Arginine carboxypeptidase; Carboxypeptidase N polypeptide 1; Carboxypeptidase N small subunit; Kininase-1; Lysine carboxypeptidase; Plasma carboxypeptidase B; Serum carboxypeptidase N; SCPN |
| **Target/Specificity** | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Carboxypeptidase N 1. The exact sequence is proprietary. |
| **Dilution** | WB~~WB (1/500 - 1/1000) IHC~~1:100~500 |
| **Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

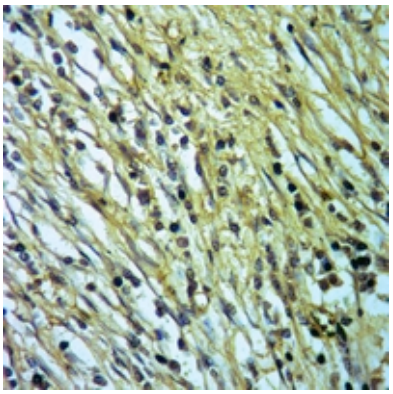
## Protein Information

| | |
|---|---|
| **Name** | CPN1 |
| **Synonyms** | ACBP |
| **Function** | Protects the body from potent vasoactive and inflammatory peptides containing C-terminal Arg or Lys (such as kinins or anaphylatoxins) which are released into the circulation. |
| **Cellular Location** | Secreted, extracellular space. |
| **Tissue Location** | Synthesized in the liver and secreted in plasma. |

## Images




Western blot analysis of Carboxypeptidase N 1 expression in mouse liver (A), rat liver (B) whole cell lysates. (Predicted band size: 52 kD; Observed band size: 48 kD)



Immunohistochemical analysis of Carboxypeptidase N 1 staining in human colorectal cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.