



A Reliable Research Partner in Life Science and Medicine

Carboxypeptidase A2/CPA2 Monoclonal Antibody

catalog number: AN200178P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human

Immunogen Recombinant Human Carboxypeptidase A2/CPA2 protein

 Host
 Mouse

 Isotype
 IgG2a

 Clone
 A1030

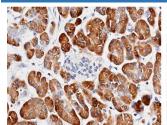
 Purification
 Protein A

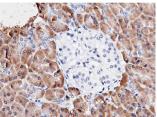
Buffer 0.2 µm filtered solution in PBS

Applications Recommended Dilution

IHC-P 1:50-1:200

Data





Immunohistochemistry of paraffin-embedded human pancreas (from 2 donors) using Carboxypeptidase A2/CPA2 Monoclonal Antibody at dilution of 1:60. Positive staining was localized to pancreatic acinus.

Preparation & Storage

Storage This antibody can be stored at 2°C-8°C for one month without detectable loss of

activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping Ice bag

Background

Carboxypeptidase A2 (CPA2) is a secreted pancreatic procarboxy-peptidase, and cleaves the C-terminal amide or ester bond of peptides that have a free C-terminal carboxyl group. The hydrolytic action of CPA2 was identified with a preference towards long substrates with aromatic amino acids in their C-terminal end, particularly tryptophan. CPA2 comprises a signal peptide, a pro region and a mature chain, and can be activated after cleavage of the pro peptide. Three different forms of human pancreatic procarboxypeptidase A have been isolated, and the A1 and A2 forms are always secreted as monomeric proteins with different biochemical properties.

For Research Use Only