



# Mouse Anti-Human Carboxypeptidase A2 monoclonal antibody, clone NN13 (CABT-ZB598)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	It reacts with Human Carboxypeptidase A2 It has no cross-reactivity in ELISA with Human CPE, Human CPB1.
<b>Target</b>	CPA2
<b>Immunogen</b>	Recombinant Human Carboxypeptidase A2/CPA2 protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	NN13
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA(cap), IHC-P We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB598 - CABT-ZB949 This antibody will detect Carboxypeptidase A2 in antibody pair set. [ABPR-ZB176]
<b>Preparation</b>	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human Carboxypeptidase A2 / CPA2. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.

<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	50 µL, 100 µL, 200 µL, 1 mL
<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	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.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	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.
<b>Keywords</b>	CPA2; carboxypeptidase A2 (pancreatic); carboxypeptidase A2

## GENE INFORMATION

<b>Synonyms</b>	CPA2; carboxypeptidase A2 (pancreatic); carboxypeptidase A2
<b>Entrez Gene ID</b>	<a href="#">1358</a>
<b>UniProt ID</b>	<a href="#">P48052</a>