



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

Specificity	It reacts with Human Carboxypeptidase A2 It has no cross-reactivity in ELISA with Human CPE, Human CPB1.
Target	CPA2
Immunogen	Recombinant Human Carboxypeptidase A2/CPA2 protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	NN13
Purification	Protein A purified
Conjugate	Unconjugated
Applications	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]
Preparation	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.

Format	Purified, Liquid
Concentration	Lot specific
Size	50 μ L, 100 μ L, 200 μ L, 1 mL
Buffer	PBS
Preservative	None
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.
Ship	Wet ice

BACKGROUND

Introduction 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.

Keywords CPA2; carboxypeptidase A2 (pancreatic); carboxypeptidase A2

GENE INFORMATION

Synonyms CPA2; carboxypeptidase A2 (pancreatic); carboxypeptidase A2

Entrez Gene ID [1358](#)

UniProt ID [P48052](#)