



Rabbit Anti-Mouse Carboxypeptidase B1 monoclonal antibody, clone S112 (CABT-ZB487)

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

PRODUCT INFORMATION

Specificity	It reacts with Mouse Carboxypeptidase B1
Target	CPB1
Immunogen	Recombinant Mouse Carboxypeptidase B1/CPB1 Protein
Isotype	IgG1
Source/Host	Rabbit
Species Reactivity	Mouse
Clone	S112
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB487 - CABT-ZB863 This antibody will detect Carboxypeptidase B1 in antibody pair set. [ABPR-ZB062]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse Carboxypeptidase B1 / CPB1.
Format	Purified, Liquid
Concentration	Lot specific

Size	50 µL, 100 µL, 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 B1, also well known as pancreatic procarboxypeptidase B (PCPB), is a highly pancreas -specific protein (PASP), and has been identified previously as a serum marker for acute pancreatitis and pancreatic graft rejection. As the prototype for those human exopeptidases that cleave off basic C-terminal residues, CPB1 specifically cleaves the C-terminal Arg and Lys residues with a preference for Arg. The B1 and B2 forms of procarboxypeptidase B differ from each other mainly in isoelectric point. The deduced amino acid sequence of PCPB predicts a 416-amino acid preproenzyme consisting of a 15-aa signal peptide, a 95-aa activation peptide and a 37-aa mature chain. The secreted PCPB zymogen is converted to enzymatically active CPB1 by limited proteolysis by trypsin.
Keywords	CPB1; carboxypeptidase B1 (tissue); carboxypeptidase B; procarboxypeptidase B

GENE INFORMATION

Synonyms	CPB1; carboxypeptidase B1 (tissue); carboxypeptidase B; procarboxypeptidase B
Entrez Gene ID	76703
UniProt ID	B2RS76