



Anti-CPE monoclonal antibody (DCABH-11112)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a carboxypeptidase that cleaves C-terminal amino acid residues and is involved in the biosynthesis of peptide hormones and neurotransmitters, including insulin. It is a peripheral membrane protein. The protein specifically binds regulated secretory pathway proteins, including prohormones, but not constitutively secreted proteins. Mutations in this gene are implicated in type II diabetes.
Immunogen	A synthetic peptide of human CPE is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CPE carboxypeptidase E [Homo sapiens]
Official Symbol	CPE

Synonyms	CPE; carboxypeptidase E; carboxypeptidase H; cobalt stimulated chromaffin granule carboxypeptidase; enkephalin convertase; insulin granule associated carboxypeptidase; CPH; prohormone-processing carboxypeptidase; insulin granule-associated carboxypeptidase; cobalt-stimulated chromaffin granule carboxypeptidase;
Entrez Gene ID	1363
Protein Refseq	NP_001864
UniProt ID	P16870
Chromosome Location	4q32.3
Pathway	Arf6 trafficking events, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Insulin Synthesis and Processing, organism-specific biosystem; Type I diabetes mellitus, organism-specific biosystem; Type I diabetes mellitus, conserved biosystem;
Function	carboxypeptidase activity; cell adhesion molecule binding; metal ion binding; metallocarboxypeptidase activity; metalloproteinase activity; neurexin family protein binding; peptidase activity; zinc ion binding;