



## **CPE Monoclonal Antibody**

Catalog No         BYmab-04310           Isotype         IgG           Reactivity         Human;Mouse;Rat           Applications         WB           Gene Name         CPE           Protein Name         Carboxypeptidase E           Immunogen         The antiserum was produced against synthesized peptide derived from the C-terminal region of human CPE. AA range:427-476           Specificity         CPE Monoclonal Antibody detects endogenous levels of CPE protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse,IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         CPE; Carboxypeptidase E; CPE; Carboxypeptidase H; CPH; Enkephalin convertase; Prohormone-processing carboxypeptidase           Observed Band         53kD           Cell Pathway         [Isoform 1]: Cytoplasmic vesicle, secretory vesicle , Screted year-lumine membrane protein . Secreted with the secretory granule membrane through direct binding to lipid rafts in intragranular conditions .           Tissue Specificity         Brai		
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Nanjing BYabscience technology Co.,Ltd



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Background	carboxypeptidase E(CPE) Homo sapiens This gene encodes a member of the M14 family of metallocarboxypeptidases. The encoded preproprotein is proteolytically processed to generate the mature peptidase. This peripheral membrane protein cleaves C-terminal amino acid residues and is involved in the biosynthesis of peptide hormones and neurotransmitters, including insulin. This protein may also function independently of its peptidase activity, as a neurotrophic factor that promotes neuronal survival, and as a sorting receptor that binds to regulated secretory pathway proteins, including prohormones. Mutations in this gene are implicated in type 2 diabetes. [provided by RefSeq, Nov 2015],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Western Blot analysis of various cells using CPE Monoclonal Antibody 100 70 55 40 35 25