

产品名称: CPE Rabbit Polyclonal Antibody
产品货号: APRab09309



产品概述 (Summary)

产品名称 (Production Name)	CPE Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CPE
别名 (Alternative Names)	CPE; Carboxypeptidase E; CPE; Carboxypeptidase H; CPH; Enkephalin convertase; Prohormone-processing carboxypeptidase
基因 ID (Gene ID)	1363.0
蛋白 ID (SwissProt ID)	P16870.The antiserum was produced against synthesized peptide derived from the C-terminal region of human CPE. AA range:427-476

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	53kDa

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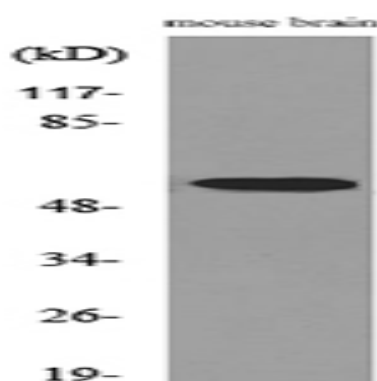
研究背景 (Background)

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],catalytic activity:Release of C-terminal arginine or lysine residues from polypeptides.,cofactor:Binds 1 zinc ion per subunit.,function:Removes residual C-terminal Arg or Lys remaining after initial endoprotease cleavage during prohormone processing. Processes proinsulin.,similarity:Belongs to the peptidase M14 family.,subcellular location:Secretory granules of pancreatic islets, adrenal gland, pituitary and brain.,

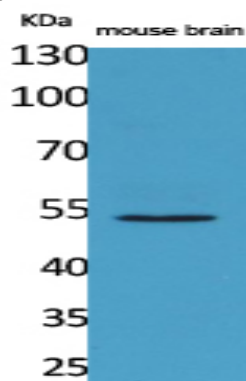
研究领域 (Research Area)

Type I diabetes mellitus;

图片 (Image Data)

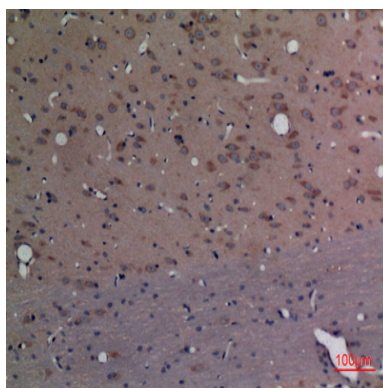


Western blot analysis of lysate from mouse brain cells, using CPE Antibody.



Western Blot analysis of mouse brain cells using CPE Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

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Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100

注意事项 (Note)

For research use only .