

产品名称: CPE Rabbit Polyclonal Antibody
产品货号: APRab09308



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,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 human CPE. AA range:271-320

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	53kDa

产品名称: CPE Rabbit Polyclonal Antibody
产品货号: APRab09308



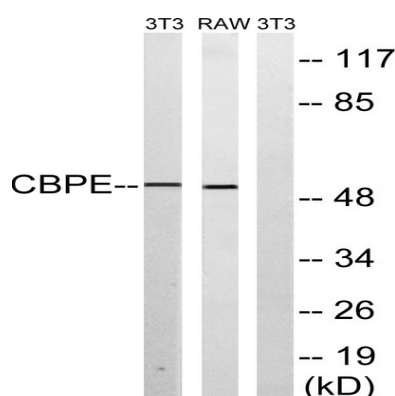
研究背景 (Background)

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.,

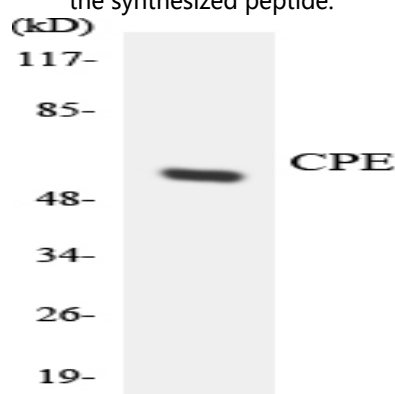
研究领域 (Research Area)

Type I diabetes mellitus;

图片 (Image Data)

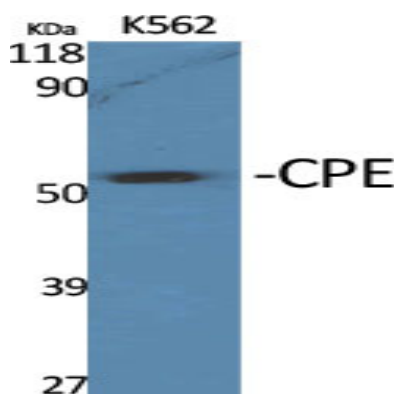


Western blot analysis of lysates from RAW264.7 and NIH/3T3 cells, using CPE Antibody. The lane on the right is blocked with the synthesized peptide.

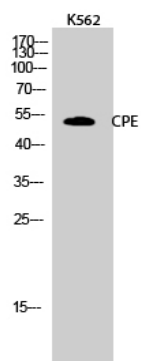


Western blot analysis of the lysates from HeLa cells using CPE antibody.

产品名称: CPE Rabbit Polyclonal Antibody
产品货号: APRab09308



Western Blot analysis of various cells using CPE Polyclonal Antibody



Western Blot analysis of K562 cells using CPE Polyclonal Antibody

注意事项 (Note)

For research use only .