

CPE Polyclonal Antibody

Catalog # AP73350

Product Information

Application	WB, IHC-P
Primary Accession	P16870
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53151

Additional Information

Gene ID	1363
Other Names	CPE; Carboxypeptidase E; CPE; Carboxypeptidase H; CPH; Enkephalin convertase; Prohormone-processing carboxypeptidase
Dilution	WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

Protein Information

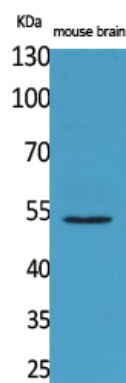
Name	CPE
Function	Sorting receptor that directs prohormones to the regulated secretory pathway. Also acts as a prohormone processing enzyme in neuro/endocrine cells, removing dibasic residues from the C-terminal end of peptide hormone precursors after initial endoprotease cleavage.
Cellular Location	[Isoform 1]: Cytoplasmic vesicle, secretory vesicle {ECO:0000250 UniProtKB:Q00493}. Cytoplasmic vesicle, secretory vesicle membrane {ECO:0000250 UniProtKB:P15087}; Peripheral membrane protein {ECO:0000250 UniProtKB:P15087}. Secreted {ECO:0000250 UniProtKB:P15087}. Note=Associated with the secretory granule membrane through direct binding to lipid rafts in intragranular conditions. {ECO:0000250 UniProtKB:Q00493}

Background

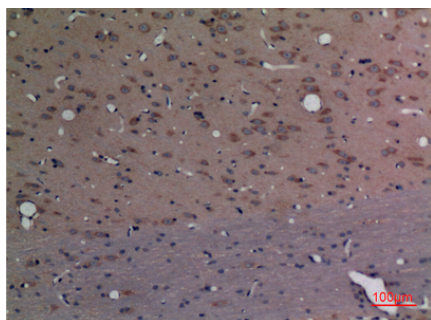
Removes residual C-terminal Arg or Lys remaining after initial endoprotease cleavage during prohormone

processing. Processes proinsulin.

Images



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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.