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CPE Polyclonal Antibody

Catalog # AP69265

Product Information

Application	WB
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. ELISA: 1/10000. Not yet tested in other applications.
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

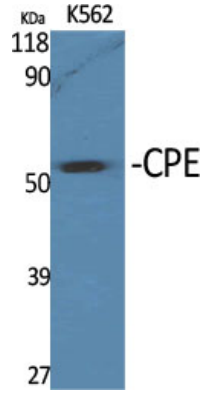
Name	CPE
Function	Sorting receptor that directs prohormones to the regulated secretory pathway. Also acts as a prohormone processing enzyme in neuro/endocrine cells, removing dibasic residues from the C-terminal end of peptide hormone precursors after initial endoprotease cleavage.
Cellular Location	[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

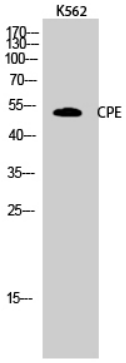
Removes residual C-terminal Arg or Lys remaining after initial endoprotease cleavage during prohormone

processing. Processes proinsulin.

Images



Western Blot analysis of various cells using CPE Polyclonal Antibody



Western Blot analysis of K562 cells using CPE Polyclonal Antibody