

Rabbit CPE Polyclonal Antibody | anti-CPE antibody

CPE Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289775	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Monkey)	ELISA, Western Blot

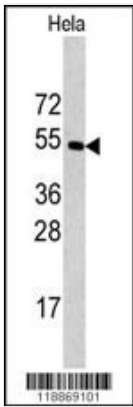
PRODUCT SYNONYMS

CPE; Polyclonal Antibody; CPE Antibody (C-term); Carboxypeptidase E; Carboxypeptidase H; CPH; Enkephalin convertase; Prohormone-processing carboxypeptidase; anti-CPE antibody

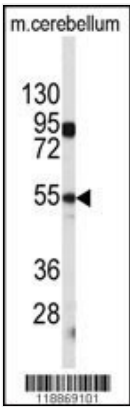
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CPE antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 381-412 amino acids from the C-terminal region of human CPE.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	381-412
Sequence Length	476
Applicable Applications for anti-CPE antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of CPE antibody (C-term) in HeLa cell line lysates (35ug/lane). CPE (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of CPE antibody (C-term) in mouse cerebellum tissue lysates (35ug/lane). CPE (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CPE antibody	CPE is a carboxypeptidase that cleaves C-terminal amino acid residues and is involved in the biosynthesis of peptide hormones and neurotransmitters, including insulin. It is a peripheral membrane protein. The protein specifically binds regulated secretory pathway proteins, including prohormones, but not constitutively secreted proteins. Mutations in CPE gene are implicated in type II diabetes.
Product Categories/Family for anti-CPE antibody	Neuroscience; Signal Transduction
References	Oiso,S., J. Neurochem. 109 (1), 158-167 (2009) Yang,L., Ann. N. Y. Acad. Sci. 1150, 263-266 (2008) Jeffrey,K.D., Proc. Natl. Acad. Sci. U.S.A. 105 (24), 8452-8457 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503009
NCBI GeneID	1363
NCBI Accession #	NP_001864.1
NCBI GenBank Nucleotide #	NM_001873.2
UniProt Accession #	P16870; Q9UIU9; A8K4N1; B3KR42; B4DFN4; D3DP33
Molecular Weight	53151
NCBI Official Full Name	carboxypeptidase E preproprotein
NCBI Official Synonym Full Names	carboxypeptidase E
NCBI Official Symbol	CPE
NCBI Protein Information	carboxypeptidase E
UniProt Protein Name	Carboxypeptidase E
UniProt Gene Name	CPE
UniProt Synonym Gene Names	CPE; CPH
UniProt Entry Name	CBPE_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cpe-antibody-western-blot-elisa/289775>