

Rabbit anti-Human, Mouse CPE Polyclonal Antibody | anti-CPE antibody

CPE Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA279896	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot

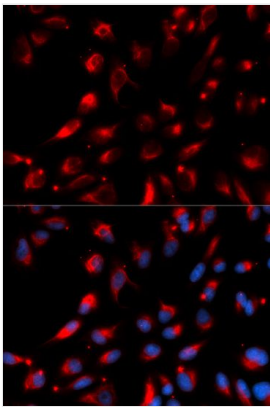
PRODUCT SYNONYMS

CPE; Polyclonal Antibody; CPE Polyclonal Antibody; Carboxypeptidase E; Carboxypeptidase H; CPH; Enkephalin convertase; anti-CPE antibody

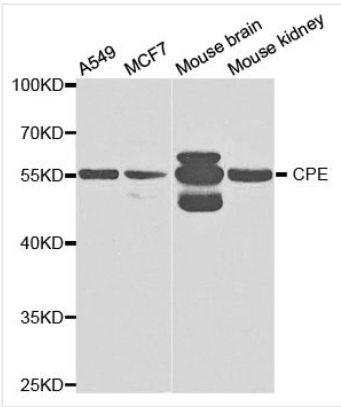
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	476
Applicable Applications for anti-CPE antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human CPE
Calculated Molecular Weight	53kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of U2OS cells using CPE antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using CPE antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-CPE antibody	This gene encodes 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 this gene are implicated in type II diabetes.
Product Categories/Family for anti-CPE antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	115892
NCBI GeneID	1363
UniProt Accession #	P16870; Q9UIU9; A8K4N1; B3KR42; B4DFN4; D3DP33
Molecular Weight	476
NCBI Official Full Name	Carboxypeptidase E
NCBI Official Synonym Full Names	carboxypeptidase E
NCBI Official Symbol	CPE
NCBI Protein Information	carboxypeptidase E; CPH; carboxypeptidase H; enkephalin convertase; prohormone-processing carboxypeptidase; insulin granule-associated carboxypeptidase; cobalt-stimulated chromaffin granule carboxypeptidase
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.