

## Rabbit CPE Polyclonal Antibody | anti-CPE antibody

CPE Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                           |
|-----------|--------|-------------------|--------------------------------------------------------|
| AAA307144 | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot |

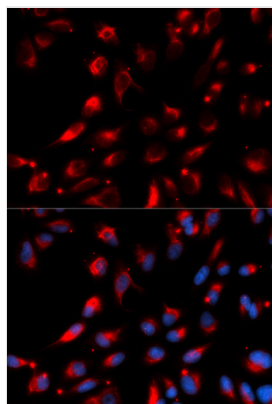
### PRODUCT SYNONYMS

CPE; Polyclonal Antibody; CPE Antibody; CarboxypeptidaseE; CarboxypeptidaseH; CPH; Enkephalinconvertase; anti-CPE antibody

### PRODUCT SPECIFICATIONS

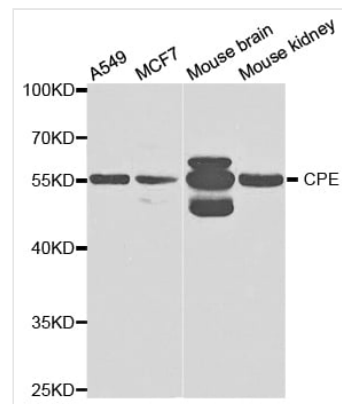
|                                               |                                                                                                                                     |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                              |
| Reactivity                                    | Human, Mouse, Rat                                                                                                                   |
| Clonality                                     | Polyclonal                                                                                                                          |
| Specificity                                   | The antibody detects endogenous level of total CPE protein.                                                                         |
| Purity/Purification                           | Antibodies were purified by affinity purification using immunogen.                                                                  |
| Form/Format                                   | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                 | 1.0 mg/ml (varies by lot)                                                                                                           |
| Sequence Length                               | 476                                                                                                                                 |
| Applicable Applications for anti-CPE antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                              |
| Immunogen Type                                | Recombinant Protein                                                                                                                 |
| Immunogen Description                         | Recombinant protein of human CPE.                                                                                                   |
| Target Name                                   | CPE                                                                                                                                 |
| Preparation and Storage                       | Store at -20 degree C                                                                                                               |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cell using CPE antibody. Blue: DAPI for nuclear staining.



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using CPE antibody.

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   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                         |

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                 | 49,886 Da                                      |
| 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://www.aaabiotech.com/polyclonal/cpe-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/307144>