

## Rabbit PC Polyclonal Antibody | anti-PC antibody

PC antibody

|                               |                       |                                        |                                                         |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA304115</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|

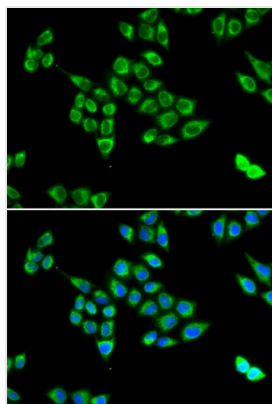
### PRODUCT SYNONYMS

PC; Polyclonal Antibody; PC antibody; PCB; anti-PC antibody

### PRODUCT SPECIFICATIONS

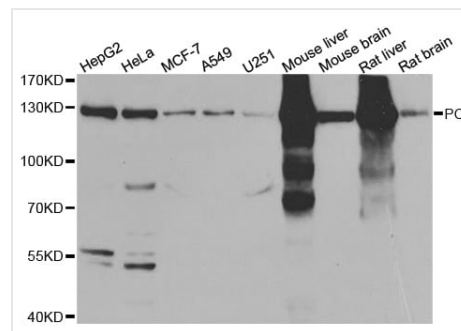
|                                              |                                                                                                                                                              |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                         | Rabbit                                                                                                                                                       |
| Reactivity                                   | Human, Mouse, Rat                                                                                                                                            |
| Clonality                                    | Polyclonal                                                                                                                                                   |
| Specificity                                  | The antibody detects endogenous level of total PC antibody.                                                                                                  |
| Purity/Purification                          | Antibodies were purified by affinity purification using immunogen.                                                                                           |
| Form/Format                                  | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                | 1.0 mg/ml (varies by lot)                                                                                                                                    |
| Sequence Length                              | 1178                                                                                                                                                         |
| Applicable Applications for anti-PC antibody | IF (Immunofluorescence), WB (Western Blot)                                                                                                                   |
| Immunogen Type                               | Recombinant Protein                                                                                                                                          |
| Immunogen Description                        | Recombinant protein of human PC.                                                                                                                             |
| Target Name                                  | PC                                                                                                                                                           |
| Preparation and Storage                      | Store at -20 degree C                                                                                                                                        |

### IMAGES



#### IF (Immunofluorescence)

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



#### WB (Western Blot)

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

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PC antibody | This gene encodes pyruvate carboxylase, which requires biotin and ATP to catalyse the carboxylation of pyruvate to oxaloacetate. The active enzyme is a homotetramer arranged in a tetrahedron which is located exclusively in the mitochondrial matrix. Pyruvate carboxylase is involved in gluconeogenesis, lipogenesis, insulin secretion and synthesis of the neurotransmitter glutamate. Mutations in this gene have been associated with pyruvate carboxylase deficiency. Alternatively spliced transcript variants with different 5' UTRs, but encoding the same protein, have been found for this gene. |
| Product Categories/Family for anti-PC antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

NCBI AND UNIPROT INFORMATION

|                                  |                                     |
|----------------------------------|-------------------------------------|
| NCBI GI #                        | 106049295                           |
| NCBI GeneID                      | 5091                                |
| NCBI Accession #                 | NP_000911.2                         |
| NCBI GenBank Nucleotide #        | NM_000920.3                         |
| UniProt Accession #              | P11498; Q16705; B4DN00              |
| Molecular Weight                 | 57,925 Da                           |
| NCBI Official Full Name          | pyruvate carboxylase, mitochondrial |
| NCBI Official Synonym Full Names | pyruvate carboxylase                |
| NCBI Official Symbol             | PC                                  |
| NCBI Official Synonym Symbols    | PCB                                 |
| NCBI Protein Information         | pyruvate carboxylase, mitochondrial |
| UniProt Protein Name             | Pyruvate carboxylase, mitochondrial |
| UniProt Gene Name                | PC                                  |
| UniProt Synonym Gene Names       | PCB                                 |
| UniProt Entry Name               | PYC_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/pc-antibody-immunofluorescence-western-blot-elisa/304115>