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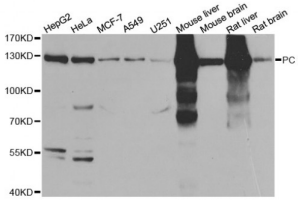
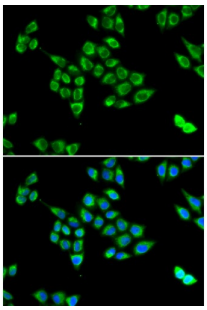
DATASHEET

Plasma Anticoagulant Protein C (PC) Antibody

Catalogue No.:abx004816



Western blot analysis of extracts of various cell lines, using PC antibody (abx004816) at 1/1000 dilution.



Immunofluorescence analysis of U2OS cells using PC antibody (abx004816). Blue: DAPI for nuclear staining.

PC Antibody is a Rabbit Polyclonal antibody against PC. 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.

Target:	PC
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Tested Applications:	WB, IF/ICC
Recommended dilutions:	WB: 1/500 - 1/2000, IF/ICC: 1/10 - 1/100. Optimal dilutions/concentrations should be determined by the end user.
Immunogen:	Recombinant protein of human PC.
Purification:	Affinity purified.

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Form:	Liquid
Isotype:	IgG
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
Molecular Weight:	Calculated MW: 57 kDa/129 kDa Observed MW: 130 kDa
Swiss Prot:	P11498
GeneID:	5091
Gene Symbol:	PC
Concentration:	> 1 mg/ml
Buffer:	PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.
Note:	This product is for research use only.