

**CAB8980**

## Product Information

<b>Product SKU:</b>	CAB8980	<b>Gene ID:</b>	5091	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	ARC1371	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Human,Mouse,Rat

## Additional Information

<b>Observed MW:</b>	130kDa	<b>Conjugate:</b>	Unconjugated
<b>Calculated MW:</b>	130kDa	<b>Isotype:</b>	IgG

## Immunogen Information

**Background:** 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.

**Recommended Dilution:** WB,1:500 - 1:1000

**Synonyms:** PCB; PC; Pyruvate carboxylase (PC)

**Purification Method:** Affinity purification

**Immunogen:** A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Pyruvate carboxylase (PC) (P11498).

**Storage:** Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.