

bs-21700R**[Primary Antibody]****PCB Rabbit pAb****Bioss**
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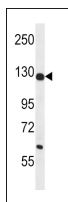
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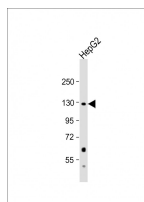
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 5091**SWISS:** P11498**Target:** PCB**Immunogen:** KLH conjugated synthetic peptide derived from human PCB: 21-120/1178.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

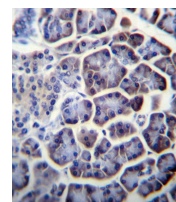
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: PCB (Pyruvate carboxylase) 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. PCB 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.**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**ELISA** (1:5000-10000)**Reactivity:** Human, Mouse
(predicted: Rat, Bovine)**Predicted
MW.:** 127 kDa**Subcellular
Location:** Cytoplasm**— VALIDATION IMAGES —**

Sample: Lane 1: Mouse Liver tissue lysates
 Primary: Anti-PCB (bs-21700R) at 1/1000 dilution
 Secondary: Goat Anti-Rabbit IgG, (H+L),
 Peroxidase conjugated at 1/10000 dilution
 Predicted band size: 127 kDa Observed band size: 127 kDa



Sample: Lane 1: Human HepG2 cell lysates
 Primary: Anti-PCB (bs-21700R) at 1/1000 dilution
 Secondary: Goat Anti-Rabbit IgG, (H+L),
 Peroxidase conjugated at 1/10000 dilution
 Predicted band size: 127 kDa Observed band size: 127 kDa



Paraformaldehyde-fixed, paraffin embedded (human pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (PCB) Polyclonal Antibody, Unconjugated (bs-21700R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.