

## PCBD1

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**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:10 - 1:100

**Calculated MW:**12kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human PCBD1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

PCD; PHS; DCOH; PCBD;

**Catalog #:**A6392

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**5092

**Isotype:**IgG

**Swiss Prot:**P61457

**Purity:**Affinity purification

For research use only.

**Background:**

This gene encodes a member of the pterin-4-alpha-carbinolamine dehydratase family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. The encoded protein functions as both a dehydratase involved in tetrahydrobiopterin biosynthesis, and as a cofactor for HNF1A-dependent transcription. A deficiency of this enzyme leads to hyperphenylalaninemia. Alternative splicing results in multiple transcript variants.

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