

## PCBD1

**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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