

PCBD1 Rabbit pAb

Catalog No.: A6392

Basic Information

Observed MW

12kDa

Calculated MW

12kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a member of the pterin-4- α -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.

Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:10 - 1:100

Immunogen Information

Gene ID

5092

Swiss Prot

P61457

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-104 of human PCBD1 (NP_000272.1).

Synonyms

PCD; PHS; DCOH; PCBD; PCBD1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

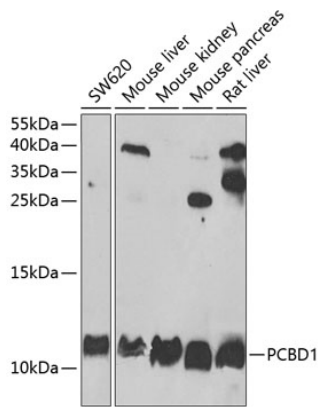
Affinity purification

Storage

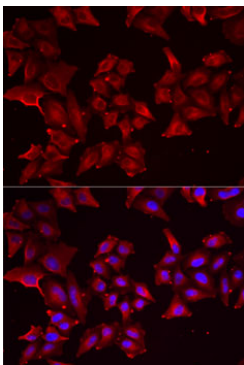
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using PCBD1 antibody (A6392) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Immunofluorescence analysis of MCF7 cells using PCBD1 antibody (A6392). Blue: DAPI for nuclear staining.