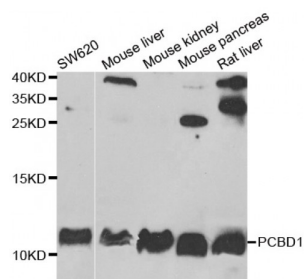


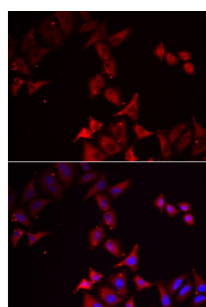
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Pterin-4 Alpha-Carbinolamine Dehydratase 1 (PCBD1) Antibody

Catalogue No.: abx004887



Western blot analysis of extracts of various cell lines, using PCBD1 antibody (abx004887) at 1/1000 dilution.



Immunofluorescence analysis of U2OS cells using PCBD1 antibody (abx004887). Blue: DAPI for nuclear staining.

PCBD1 Antibody is a Rabbit Polyclonal antibody against PCBD1. 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.

Target: PCBD1

Reactivity: Human, Mouse, Rat

Host: Rabbit

Clonality: Polyclonal

Tested Applications: WB, IF/ICC

Recommended dilutions: WB: 1/500 - 1/2000, IF/ICC: 1/10 - 1/100. Optimal dilutions/concentrations should be determined by the end user.

Immunogen: Recombinant protein of human PCBD1.

Purification: Affinity purified.

Form: Liquid

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Isotype:	IgG
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
Molecular Weight:	Calculated MW: 12 kDa Observed MW: 12 kDa
Swiss Prot:	P61457
GeneID:	5092
Gene Symbol:	PCBD1
Concentration:	> 1 mg/ml
Buffer:	PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.
Note:	This product is for research use only.