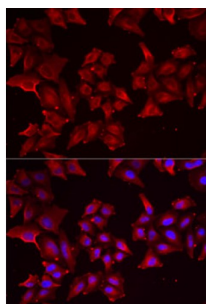


Pterin-4 Alpha-Carbinolamine Dehydratase 1 (PCBD1) Antibody

Catalogue No.: abx004887



Immunofluorescence analysis of MCF7 cells using PCBD1 Antibody

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:	Pterin-4 Alpha-Carbinolamine Dehydratase 1 (PCBD1)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	IF/ICC
Host:	Rabbit
Recommended dilutions:	IF/ICC: 1/10 - 1/100. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein corresponding to human PCBD1
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P61457 (UniProt , ExPASy)

Datasheet

Version: 5.0.0

Revision date: 29 Sep 2025



Gene Symbol: PCBD1

GeneID: [5092](#)

NCBI Accession: NP_000272.1

KEGG: hsa:5092

String: [9606.ENSP00000299299](#)

Buffer: PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

Concentration: 1 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only