



Datasheet for ABIN954023
anti-PCBD1 antibody (Middle Region)



[Go to Product page](#)

3 Images

Overview

Quantity:	0.4 mL
Target:	PCBD1
Binding Specificity:	AA 27-56, Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCBD1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 27~56 amino acids from the Center region of human PCBD1
Isotype:	Ig Fraction
Specificity:	This antibody reacts to PCBD1.
Cross-Reactivity (Details):	Species reactivity (tested):Human and Mouse.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	PCBD1
---------	-------

Target Details

Alternative Name:	PCBD1 (PCBD1 Products)
Background:	PCBD1 encodes pterin-4 alpha-carbinolamine dehydratase, an enzyme involved in phenylalanine hydroxylation. A deficiency of this enzyme leads to hyperphenylalaninemia. The enzyme regulates the homodimerization of the transcription factor hepatocyte nuclear factor 1 (HNF1).Synonyms: DCOH, Dimerization cofactor of HNF1, PCBD, PHS, Phenylalanine hydroxylase-stimulating protein, Pterin carbinolamine dehydratase, Pterin-4-alpha-carbinolamine dehydratase
Molecular Weight:	12000 Da
Gene ID:	5092
NCBI Accession:	NP_000272

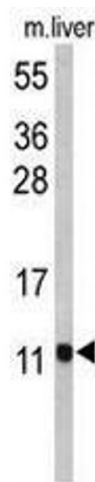
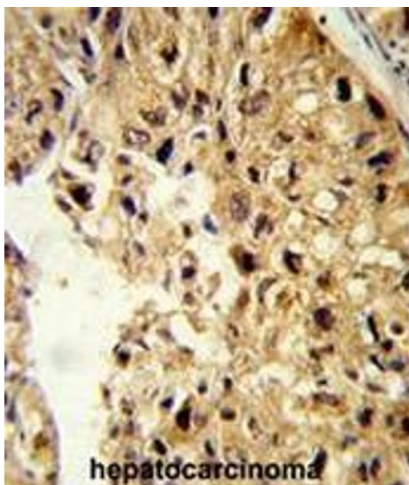
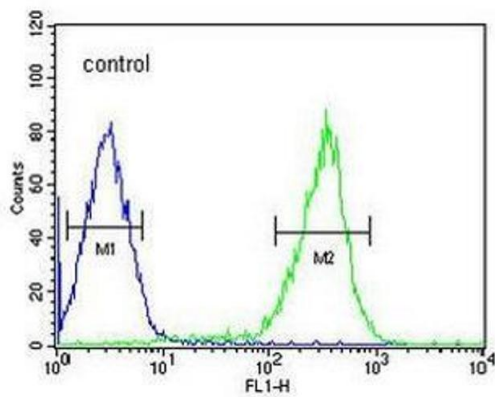
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

HepG2



Flow Cytometry

Image 1. PCBD1 Antibody (Center) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with PCBD1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Western Blotting

Image 3. Western blot analysis of PCBD1 Antibody (Center) in mouse liver tissue lysates (35µg/lane). PCBD1 (arrow) was detected using the purified Pab.