

Rabbit PCBD1 Polyclonal Antibody | anti-PCBD1 antibody

PCBD1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA280233	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

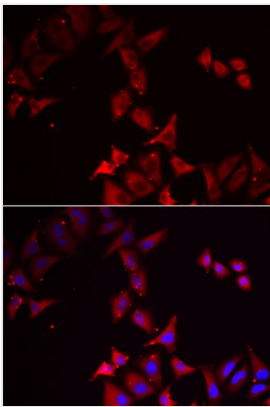
PRODUCT SYNONYMS

PCBD1; Polyclonal Antibody; PCBD1 Polyclonal Antibody; PCD; PHS; DCOH; PCBD; anti-PCBD1 antibody

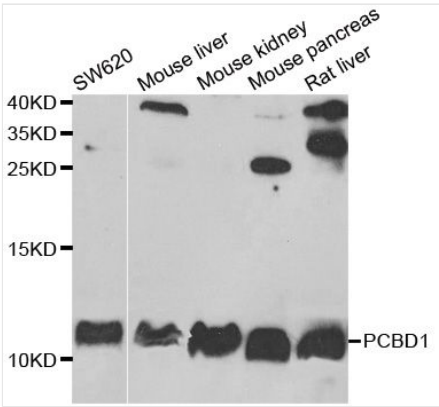
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	104
Applicable Applications for anti-PCBD1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human PCBD1
Calculated Molecular Weight	12kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



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



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

ADDITIONAL INFORMATION

Related Product Information for anti-PCBD1 antibody	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.
Product Categories/Family for anti-PCBD1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	47606444
NCBI GeneID	5092
UniProt Accession #	P61457; P70519; P80095; Q9D930
Molecular Weight	104
NCBI Official Full Name	Pterin-4- α -carbinolamine dehydratase
NCBI Official Synonym Full Names	pterin-4 α -carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 α
NCBI Official Symbol	PCBD1
NCBI Official Synonym Symbols	PCD; PHS; DCOH; PCBD
NCBI Protein Information	pterin-4- α -carbinolamine dehydratase; dimerizing cofactor for HNF1; 4- α -hydroxy-tetrahydropterin dehydratase; phenylalanine hydroxylase-stimulating protein; 6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 α (TCF1)
UniProt Protein Name	Pterin-4- α -carbinolamine dehydratase
UniProt Gene Name	PCBD1
UniProt Synonym Gene Names	DCOH; PCBD; PHS; DCoH; Dimerization cofactor of HNF1; PCD
UniProt Entry Name	PHS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

