

KD-Validated Anti-PCBD1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1625

Product Information

Application	WB, ICC
Primary Accession	P61457
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB785
Calculated MW	12000
Gene Name	PCBD1
Aliases	Pterin-4 Alpha-Carbinolamine Dehydratase 1; PCD; DCOH; PCBD; 6-Pyruvoyl-Tetrahydropterin Synthase/Dimerization Cofactor Of Hepatocyte Nuclear Factor 1 Alpha (TCF1); Pterin-4 Alpha-Carbinolamine Dehydratase/Dimerization Cofactor Of Hepatocyte Nuclear Factor 1 Alpha; Phenylalanine Hydroxylase-Stimulating Protein; 4-Alpha-Hydroxy-Tetrahydropterin Dehydratase; Pterin-4-Alpha-Carbinolamine Dehydratase; Dimerizing Cofactor For HNF1; EC 4.2.1.96; PHS; Pterin-4 Alpha-Carbinolamine Dehydratase/Dimerization Cofactor Of Hepatocyte Nuclear Factor 1 Alpha (TCF1); Pterin-4a-Carbinolamine Dehydratase (Dimerization Cofactor Of Hepatic Nuclear Factor 1-Alpha); Dimerization Cofactor Of Hepatocyte Nuclear Factor 1-Alpha; Pterin-4-Alpha Carbinolamine Dehydratase; Pterin Carbinolamine Dehydratase; Dimerization Cofactor Of HNF1; DCoH
Immunogen	A synthesized peptide derived from human PCBD1

Additional Information

Gene ID	5092
Other Names	Pterin-4-alpha-carbinolamine dehydratase, PHS, 4.2.1.96, 4-alpha-hydroxy-tetrahydropterin dehydratase, Dimerization cofactor of hepatocyte nuclear factor 1-alpha, DCoH, Dimerization cofactor of HNF1, Phenylalanine hydroxylase-stimulating protein, Pterin carbinolamine dehydratase, PCD, PCBD1, DCOH, PCBD

Protein Information

Name	PCBD1
Synonyms	DCOH, PCBD
Function	Involved in tetrahydrobiopterin biosynthesis (By similarity). Seems to both prevent the formation of 7-pterins and accelerate the formation of quinonoid-BH2. Coactivator for HNF1A-dependent transcription (By

similarity). Regulates the dimerization of homeodomain protein HNF1A and enhances its transcriptional activity (By similarity). Also acts as a coactivator for HNF1B-dependent transcription (PubMed:[24204001](#)).

Cellular Location

Cytoplasm. Nucleus. Note=Recruited to the nucleus through the interaction with HNF1B.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.