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PCBD2 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14521

Product Information

Application	WB
Primary Accession	Q9H0N5
Other Accession	NM_032151, NP_115527
Reactivity	Human, Mouse, Rat, Dog, Guinea Pig, Horse
Predicted	Human, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14365

Additional Information

Gene ID	84105
Alias Symbol	DCOH2, DCOHM, PHS2
Other Names	Pterin-4-alpha-carbinolamine dehydratase 2, PHS 2, 4.2.1.96, 4-alpha-hydroxy-tetrahydropterin dehydratase 2, DcoH-like protein DCoHm, Dimerization cofactor of hepatocyte nuclear factor 1 from muscle, HNF-1-alpha dimerization cofactor, PCBD2, DCOH2, DCOHM
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-PCBD2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	PCBD2 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PCBD2
Synonyms	DCOH2, DCOHM
Function	Plays a role in tetrahydrobiopterin biosynthesis which is a cofactor for amino acid hydroxylases. May prevent both the formation of 7-pterins and accelerate the formation of quinonoid-BH2 (By similarity). Regulates the dimerization of homeodomain protein HNF1A and enhances its transcriptional activity (PubMed:11980910). Also acts as a coactivator for HNF1B-dependent transcription (PubMed:33749890).

Cellular Location Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q9CZL5}

References

Wiemann S.,et al.Genome Res. 11:422-435(2001).
Schmutz J.,et al.Nature 431:268-274(2004).
Lim S.,et al.J. Biol. Chem. 277:25040-25046(2002).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).

Images



WB Suggested Anti-PCBD2 Antibody Titration: 1.0 µg/ml
Positive Control: THP-1 Whole Cell

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