

## Rabbit PCBD1 Polyclonal Antibody | anti-PCBD1 antibody

PCBD1 Polyclonal Antibody

|                               |                       |                                        |                                                                  |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA175557</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|

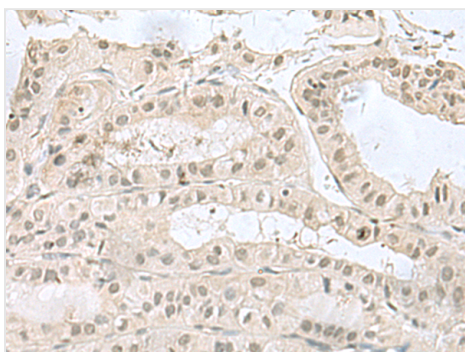
### PRODUCT SYNONYMS

PCBD1; Polyclonal Antibody; PCBD1 Polyclonal Antibody; 4 alpha hydroxy tetrahydropterin dehydratase; 4-alpha-hydroxy-tetrahydropterin dehydratase; 6 pyruvoyl tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1); 6 pyruvoyl tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha; DCoH; Dimerization cofactor of hepatic nuclear factor 1 alpha; Dimerization cofactor of hepatocyte nuclear factor 1 alpha; Dimerization cofactor of hepatocyte nuclear factor 1-alpha; Dimerization cofactor of HNF1; Dimerizing cofactor for HNF1; PCBD 1; PCBD; PCD; Phenylalanine hydroxylase stimulating protein; Phenylalanine hydroxylase-stimulating protein; PHS; Pterin 4 alpha carbinolamine dehydratase; Pterin 4 alpha carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1); Pterin 4 alpha carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha; Pterin carbinolamine dehydratase; Pterin-4-alpha-carbinolamine dehydratase; anti-PCBD1 antibody

### PRODUCT SPECIFICATIONS

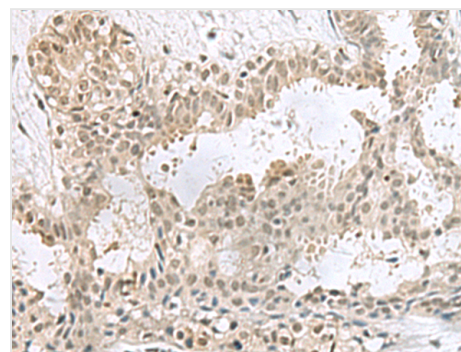
|                                                 |                                                      |
|-------------------------------------------------|------------------------------------------------------|
| Host                                            | Rabbit                                               |
| Reactivity                                      | Human, Mouse, Rat                                    |
| Clonality                                       | Polyclonal                                           |
| Isotype                                         | IgG                                                  |
| Purity/Purification                             | Antigen Affinity Purification                        |
| Form/Format                                     | PBS with 0.05% NaN3 and 40% Glycerol, pH7.4          |
| Concentration                                   | 1.02mg/mL (varies by lot)                            |
| Sequence Length                                 | 104                                                  |
| Applicable Applications for anti-PCBD1 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot) |
| Immunogen                                       | Fusion protein of human PCBD1                        |
| Conjugation                                     | Unconjugated                                         |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze/thaw cycles.     |

### IMAGES



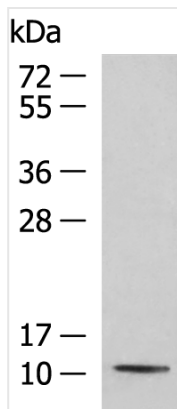
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using PCBD1 Polyclonal Antibody at dilution of 1:60(×200)



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human breast cancer tissue using PCBD1 Polyclonal Antibody at dilution of 1:60(×200)



#### WB (Western Blot)

Western blot analysis of Mouse kidney tissue lysate using PCBD1 Polyclonal Antibody at dilution of 1:800

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-PCBD1 antibody</b> | 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. |
| <b>Product Categories/Family for anti-PCBD1 antibody</b>   | Cancer; Epigenetics and Nuclear Signaling; Metabolism; Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                           |
|-----------------------------------------|-----------------------------------------------------------|
| <b>NCBI GI #</b>                        | 4557831                                                   |
| <b>NCBI GeneID</b>                      | 5092                                                      |
| <b>NCBI Accession #</b>                 | NP_000272.1; BC006324                                     |
| <b>NCBI GenBank Nucleotide #</b>        | NP_000272.1                                               |
| <b>UniProt Accession #</b>              | P61457                                                    |
| <b>Molecular Weight</b>                 | 12 kDa                                                    |
| <b>NCBI Official Full Name</b>          | pterin-4-alpha-carbinolamine dehydratase isoform 1        |
| <b>NCBI Official Synonym Full Names</b> | pterin-4 alpha-carbinolamine dehydratase 1                |
| <b>NCBI Official Symbol</b>             | PCBD1                                                     |
| <b>NCBI Official Synonym Symbols</b>    | PCD; PHS; DCOH; PCBD                                      |
| <b>NCBI Protein Information</b>         | pterin-4-alpha-carbinolamine dehydratase                  |
| <b>UniProt Protein Name</b>             | Pterin-4-alpha-carbinolamine dehydratase                  |
| <b>UniProt Gene Name</b>                | <b>PCBD1</b>                                              |
| <b>UniProt Synonym Gene Names</b>       | DCOH; PCBD; PHS; DCoH; Dimerization cofactor of HNF1; PCD |
| <b>UniProt Entry Name</b>               | 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pcbd1-antibody-immunohistochemistry-western-blot-elisa/175557>