

**DBT Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP55460****Specification**

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**DBT Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	<a href="#">P11182</a>
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53487

**DBT Polyclonal Antibody - Additional Information****Gene ID** 1629**Other Names**

Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial, 2.3.1.168, 52 kDa mitochondrial autoantigen of primary biliary cirrhosis, Branched chain 2-oxo-acid dehydrogenase complex component E2, BCOADC-E2, Branched-chain alpha-keto acid dehydrogenase complex component E2, BCKAD-E2, BCKADE2, Dihydrolipoamide acetyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, Dihydrolipoamide branched chain transacylase, Dihydrolipoyllysine-residue (2-methylpropanoyl)transferase, DBT, BCATE2

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**DBT Polyclonal Antibody - Protein Information****Name** DBT ([HGNC:2698](#))**Function**

The branched-chain alpha-keto dehydrogenase complex catalyzes the overall conversion of alpha-keto acids to acyl-CoA and CO(2). It contains multiple copies of three enzymatic components: branched-chain alpha-keto acid decarboxylase (E1), lipoamide acyltransferase (E2) and lipoamide dehydrogenase (E3). Within this complex, the catalytic function of this enzyme is to accept, and to transfer to coenzyme A, acyl groups that are generated by the branched-chain alpha-keto acid decarboxylase component.

**Cellular Location**

Mitochondrion matrix {ECO:0000250|UniProtKB:P11181}

## **DBT Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **DBT Polyclonal Antibody - Images**