

DBT rabbit monoclonal antibody

Catalog # H00001629-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human DBT peptide using ARM Technology.
Immunogen	A synthetic peptide of human DBT is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human DBT peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — DBT

Entrez GeneID	1629
GeneBank Accession#	DBT
Gene Name	DBT
Gene Alias	BCATE2, E2, E2B, MGC9061
Gene Description	dihydrolipoamide branched chain transacylase E2
Omim ID	248600 248610
Gene Ontology	Hyperlink
Gene Summary	The branched-chain alpha-keto acid dehydrogenase complex (BCKD) is an inner-mitochondrial enzyme complex involved in the breakdown of the branched-chain amino acids isoleucine, leucine, and valine. The BCKD complex is thought to be composed of a core of 24 transacylase (E2) subunits, and associated decarboxylase (E1), dehydrogenase (E3), and regulatory subunits. This gene encodes the transacylase (E2) subunit. Mutations in this gene result in maple syrup urine disease, type 2. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq]
Other Designations	BCKAD E2 subunit E2 component of branched chain alpha-keto acid dehydrogenase complex O TTHUMP00000012596 branched chain acyltransferase, E2 component dihydrolipoamide branched chain transacylase dihydrolipoyl transacylase dihydrolipoyllysine-residue (2-me

Pathway

- [Metabolic pathways](#)
- [Valine](#)