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[Primary Antibody]

Rabbit Anti-DBT antibody

Catalog Number: SL14205R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DBT
Immunogen:	KLH conjugated synthetic peptide derived from human DBT: 61-160/482
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Pig, Cow, Horse, Rabbit, Sheep)
Predicted MW.:	46kDa
Subcellular Location:	cytoplasmic Mitochondrion
Background:	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, Jul 2008] **Function:** DBT or dihydrolipoamide branched chain transacylase E2 is a component of the BCKD (branched-chain alpha-keto dehydrogenase) complex

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	which is thought to be composed of a core of 24 transacylase (E2) subunits, and associated decarboxylase (E1), dehydrogenase (E3), and regulatory subunits. The BCKD complex is an inner-mitochondrial enzyme complex involved in the breakdown of the branched-chain amino acids isoleucine, leucine, and valine. **Subcellular Location:** Mitochondrion matrix. **Database links:** **Entrez Gene:** 1629 Human **Entrez Gene:** 280759 Cow **Entrez Gene:** 13171 Mouse **Entrez Gene:** 29611 Rat Omim: 248610 Human **SwissProt:** P11181 Cow **SwissProt:** P11182 Human **SwissProt:** P53395 Mouse **SwissProt:** Q99PU6 Rat

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