

Rabbit DBT Polyclonal Antibody | anti-DBT antibody

DBT antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23544	Rabbit	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Yeast, Zebrafish	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

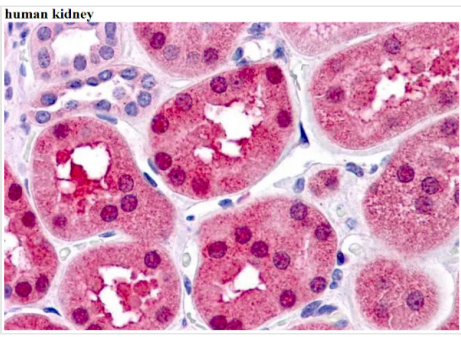
DBT; Polyclonal Antibody; DBT antibody - N-terminal region; anti-DBT antibody

PRODUCT SPECIFICATIONS

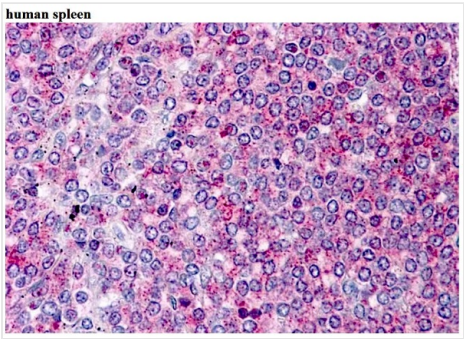
Host	Rabbit
Reactivity	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Yeast, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide located within the following region: NY VCFGYPSFK YSHPHFLKT TAALRGQVVQ FKLSDIGEGI REVTVKEW
Sequence Length	482
Applicable Applications for anti-DBT antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	IHC Information: Skin IHC Information: Spleen IHC Information: Kidney
Predicted Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Yeast: 83%; Zebrafish: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human DBT
Protein Size (# AA)	482 amino acids
Protein Interactions	HUWE1; UBC; PARK2; IFIT2; ABCC1; DLD; AGO4; AGO3; SRRM2; USP16; ADI1;
Blocking Peptide	For anti-DBT (AAA23544) antibody is Catalog #
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



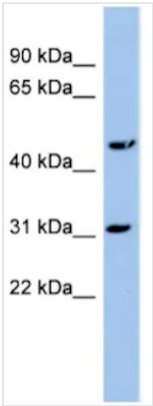
IHC (Immunohistochemistry)
Immunohistochemistry of formalin-fixed, paraffin-embedded human skin tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



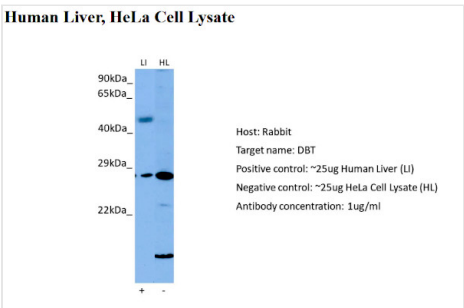
IHC (Immunohistochemistry)
Immunohistochemistry of formalin-fixed, paraffin-embedded human kidney tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



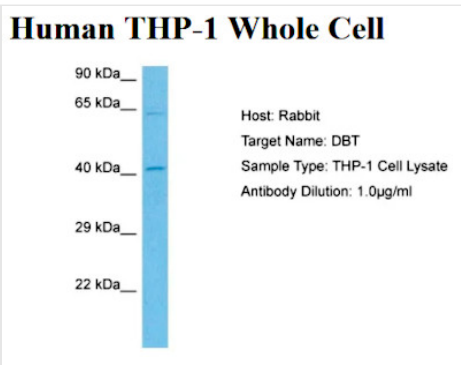
IHC (Immunohistochemistry)
Immunohistochemistry of formalin-fixed, paraffin-embedded human spleen tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



WB (Western Blot)
WB Suggested Anti-DBT Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:1562500Positive Control: HT1080 cell lysateThere is BioGPS gene expression data showing that DBT is expressed in HT1080



WB (Western Blot)
Host: RabbitTarget: DBTPositive control (+): Human Liver (LI)Negative control (-): HeLa Cell Lysate (HL)Antibody concentration: 1ug/ml



WB (Western Blot)
Host: RabbitTarget Name: DBTSample Tissue: Human THP-1 Whole CellAntibody Dilution: 0.5ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-DBT antibody	This is a rabbit polyclonal antibody against DBT. It was validated on Western Blot using a cell lysate as a positive control. Target Description: The branched-chain alpha-keto dehydrogenase complex catalyzes the overall conversion of alpha-keto acids to acyl-CoA and CO2. It contains multiple copies of three enzymatic components: branched-chain alpha-keto acid decarboxylase (E1), lipoamide acyltransferase (E2) and lipoamide dehydrogenase (E3).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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-DBT antibody	Polyclonal; Drugs and Drug Metabolism; E3 & Ubiquitin; Disease Related; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	392494079
NCBI GeneID	1629
NCBI Accession #	NP_001909
NCBI GenBank Nucleotide #	NM_001918
UniProt Accession #	P11182
Molecular Weight	46kDa
NCBI Official Full Name	lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial
NCBI Official Synonym Full Names	dihydrolipoamide branched chain transacylase E2
NCBI Official Symbol	DBT
NCBI Official Synonym Symbols	E2; E2B; BCATE2; BCKADE2; BCKAD-E2; BCOADC-E2
NCBI Protein Information	lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial
UniProt Protein Name	Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial
UniProt Gene Name	DBT
UniProt Entry Name	ODB2_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.