

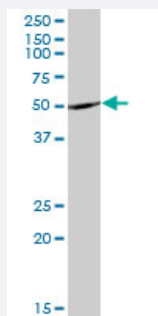
MaxPab®

DBT purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00001629-B01P

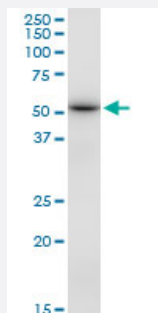
Size 50 ug

Applications



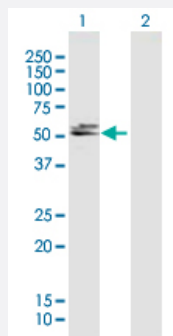
Western Blot (Tissue lysate)

DBT MaxPab polyclonal antibody. Western Blot analysis of DBT expression in human liver.



Western Blot (Cell lysate)

DBT MaxPab polyclonal antibody. Western Blot analysis of DBT expression in A-431.



Western Blot (Transfected lysate)

Western Blot analysis of DBT expression in transfected 293T cell line ([H00001629-T01](#)) by DBT MaxPab polyclonal antibody.

Lane 1: DBT transfected lysate(53.02 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human DBT protein.

Immunogen	DBT (AAH16675.1, 1 a.a. ~ 482 a.a) full-length human protein.
Sequence	MAAVRMLRTWSRNAGKLCVRYFQTCGNVHVLKPNYVCFFGYPSFKYSHPHHFLKTTAALRGQV VQFKLSDIGEGIREVTVKEWYVKEGDTV SQFDSICEVQSDKASVTITSRYDGVKKLYNLDDIAYV GKPLVDIETEALKDSEEDVVETPAVSHDEHTHQEIKGRKTLATPAVRRLAMENNIKLSEVVGSGK DGRILKEDILNYLEKQTGAILPPSPKVEIMPPPPKPKDMTPILVSKPPVFTGKDKTEPIKGFQKAM VKTMSAALKIPHFGYCDIDLTELVLKREELKPIAFARGIKLSFMPFFLKAASLGLLQFPILNASVDE NCQNITYKASHNIGIAMDTEQGLVPNVKNVQICSIFDIATELNRLQKLGSVGQLSTTDLTGGTFTLSNI GSIGGTFAKPVIMPPEVAIGALGSIKAIPRFNQKGEVYKAQIMNVSWSadHRVIDGATMSRFSNLW KSYLENPAFMLLDLK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (88); Rat (88)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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[Protocol Download](#)

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Western Blot analysis of DBT expression in transfected 293T cell line ([H00001629-T01](#)) by DBT MaxPab polyclonal antibody.

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Gene Info — DBT

Entrez GeneID	1629
GeneBank Accession#	BC016675.1
Protein Accession#	AAH16675.1
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

Publication Reference

- [Amino Acid starvation has opposite effects on mitochondrial and cytosolic protein synthesis.](#)

Johnson MA, Vidoni S, Durigon R, Pearce SF, Rorbach J, He J, Brea-Calvo G, Minczuk M, Reyes A, Holt IJ, Spinazzola A.
PLoS One 2014 Apr; 9(4):e93597.

Application: WB-Ce, Human, HEK293T Cells

Pathway

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