

Product datasheet for **TA335154**

BCKDHA Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-BCKDHA antibody: synthetic peptide directed towards the N terminal of human BCKDHA. Synthetic peptide located within the following region: NVISGIPYRVMRQGGQIINPSEDPHLPKEKVLKLYKSMTLLNTMDRILY
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	50 kDa
Gene Name:	branched chain keto acid dehydrogenase E1, alpha polypeptide
Database Link:	NP_000700 Entrez Gene 593 Human P12694



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Background: The branched-chain alpha-keto acid (BCAA) dehydrogenase (BCKD) complex is an inner mitochondrial enzyme complex that catalyzes the second major step in the catabolism of the branched-chain amino acids leucine, isoleucine, and valine. The BCKD complex consists of three catalytic components: a heterotetrameric (alpha2-beta2) branched-chain alpha-keto acid decarboxylase (E1), a dihydrolipoyl transacylase (E2), and a dihydrolipoamide dehydrogenase (E3). This gene encodes the alpha subunit of the decarboxylase (E1) component. Mutations in this gene result in maple syrup urine disease, type IA. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]

Synonyms: BCKDE1A; MSU; MSUD1; OVD1A

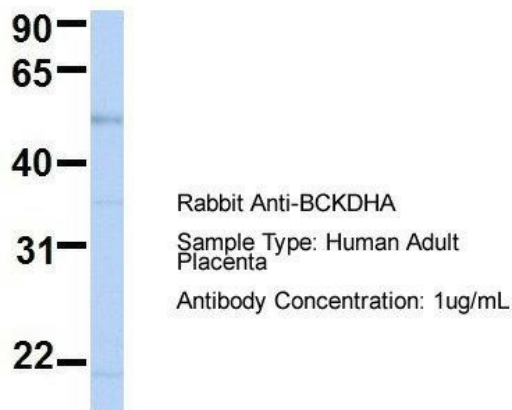
Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Sheep: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 93%

Protein Families: Druggable Genome

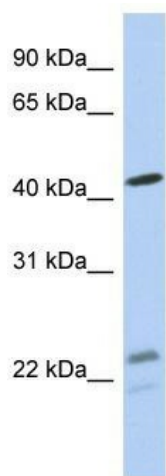
Protein Pathways: Metabolic pathways, Valine, leucine and isoleucine degradation

Product images:

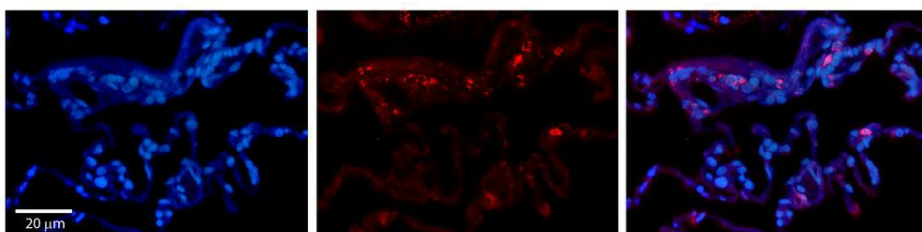
BCKDHA



1Hum. Adult Placenta; Host: Rabbit; Target Name: SERPINA3; Sample Tissue: Human Adult Placenta; Antibody Dilution: 1.0 ug/ml



WB Suggested Anti-BCKDHA Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:312500; Positive Control: MCF7 cell lysate BCKDHA is supported by BioGPS gene expression data to be expressed in MCF7



Rabbit Anti-BCKDHA Antibody; Formalin Fixed Paraffin Embedded Tissue: Human Lung Tissue; Observed Staining: Cytoplasmic in alveolar type I & II cells; Primary Antibody Concentration: 1:100; Secondary Antibody: Donkey anti-Rabbit-Cy3; Secondary Antibody Co