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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP58593_P050-Biotin
Product Page	www.avivasysbio.com/bckdhb-antibody-n-terminal-region-biotin-arp58593-p050-biotin.html
Name	BCKDHB Antibody - N-terminal region : Biotin (ARP58593_P050-Biotin)
Protein Size (# AA)	218 amino acids
Molecular Weight	23kDa
Conjugation	Biotin
NCBI Gene Id	594
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	branched chain keto acid dehydrogenase E1, beta polypeptide
Alias Symbols	E1B, BCKDE1B, BCKDH E1-beta
Peptide Sequence	Synthetic peptide located within the following region: GFLHPAATVEDAAQRQVAHFTEQPDPEPREYGTQKMNLFQSVTSALDN
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	Branched-chain keto acid dehydrogenase is a multienzyme complex associated with the inner membrane of mitochondria, and functions in the catabolism of branched-chain amino acids. The complex consists of multiple copies of 3 components: branched-chain alpha-keto acid decarboxylase (E1), lipoamide acyltransferase (E2) and lipoamide dehydrogenase (E3). This gene encodes the E1 beta subunit, and mutations therein have been associated with maple syrup urine disease (MSUD), type 1B, a disease characterized by a maple syrup odor to the urine in addition to mental and physical retardation, and feeding problems. Alternative splicing at this locus results in transcript variants with different 3' non-coding regions, but encoding the same isoform.
Protein Interactions	CUL3; BCKDHA;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-BCKDHB (ARP58593_P050-Biotin) antibody
Blocking Peptide	For anti-BCKDHB (ARP58593_P050-Biotin) antibody is Catalog# AAP58593
Immunogen	The immunogen is a synthetic peptide directed towards the N-terminal region of Human BCKDHB
Uniprot ID	Q5T2J3
Protein Name	2-oxoisovalerate dehydrogenase subunit beta, mitochondrial Ensembl ENSP00000443564 Ensembl ENSP00000358775
Purification	Affinity Purified
Gene Symbol	BCKDHB
Predicted Species Reactivity	Human, Rat, Cow, Dog, Horse, Pig, Rabbit
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 93%; Horse: 93%; Human: 100%; Pig: 86%; Rabbit: 93%; Rat: 79%

Image 1



AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

Optimal conditions of its use should be determined by end users.

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