



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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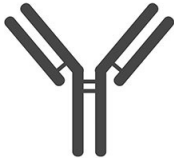
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Product Number	ARP56119_P050-HRP
Product Page	<a href="http://www.avivasysbio.com/bckdha-antibody-n-terminal-region-hrp-arp56119-p050-hrp.html">www.avivasysbio.com/bckdha-antibody-n-terminal-region-hrp-arp56119-p050-hrp.html</a>
Name	BCKDHA Antibody - N-terminal region : HRP (ARP56119_P050-HRP)
Protein Size (# AA)	445 amino acids
Molecular Weight	50kDa
Subunit	alpha, mitochondrial
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	593
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Branched chain keto acid dehydrogenase E1, alpha polypeptide
Alias Symbols	MSU, MSUD1, OVD1A, BCKDE1A
Peptide Sequence	Synthetic peptide located within the following region: <a href="#">NVISGIPIYRVMDRQGQIINPSEDPHLPKEKVLKLYKSMTELLNTMDRILY</a>
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Reference	Flaschker,N., (2007) J. Inherit. Metab. Dis. 30 (6), 903-909
Description of Target	<p>The branched-chain alpha-keto dehydrogenase complex catalyzes the overall conversion of alpha-keto acids to acyl-CoA and CO<sub>2</sub>. It contains multiple copies of three enzymatic components: branched-chain alpha-keto acid decarboxylase (E1), lipoamide acyltransferase (E2) and lipoamide dehydrogenase (E3). The BCKDHA gene encodes the E1-alpha subunit of the branched-chain alpha-keto acid (BCAA) dehydrogenase complex (BCKD; EC 1.2.4.4), an inner-mitochondrial enzyme complex that catalyzes the oxidative decarboxylation of the branched-chain alpha-ketoacids derived from isoleucine, leucine, and valine. This reaction is the second major step in the catabolism of the branched-chain amino acids (Wynn et al., 1998 [PubMed 9582350]). The BCKD complex consists of 3 catalytic components: a heterotetrameric (alpha2-beta2) branched-chain alpha-keto acid decarboxylase (E1), a homo-24-meric dihydrolipoyl transacylase (E2; MIM 248610), and a homodimeric dihydrolipoamide dehydrogenase (E3; MIM 238331). E1 is a thiamine pyrophosphate (TPP)-dependent enzyme. The reaction is irreversible and constitutes the first committed step in BCAA oxidation. The BCKDHB gene (MIM 248611) encodes the beta subunit of E1. The complex also contains 2 regulatory enzymes, a kinase and a phosphorylase. [supplied by OMIM]. 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.</p> <p>PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-675 BI910860.1 12-686 676-1196 BG742673.1 80-600 1197-1731 BM702667.1 48-582 1732-1763 BE223026.1 1-32 c 1764-1781 BQ018849.1 1-18 c</p>
Protein Interactions	UBC; CUL3; BCKDHB; BCKDK;
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 <a href="#">anti-BCKDHA (ARP56119_P050-HRP) antibody</a>
Blocking Peptide	For anti-BCKDHA (ARP56119_P050-HRP) antibody is <a href="#">Catalog # AAP56119</a> (Previous Catalog # AAPP37740)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human BCKDHA
Uniprot ID	<a href="#">P12694</a>
Protein Name	2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial

<b>Sample Type Confirmation</b>	BCKDHA is supported by BioGPS gene expression data to be expressed in MCF7
<b>Protein Accession #</b>	<a href="#">NP_000700</a>
<b>Purification</b>	Affinity Purified
<b>Nucleotide Accession #</b>	<a href="#">NM_000709</a>
<b>Gene Symbol</b>	<a href="#">BCKDHA</a>
<b>Predicted Species Reactivity</b>	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Sheep, Zebrafish
<b>Application</b>	IHC, WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Zebrafish: 93%
<b>Image 1</b>	

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

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