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## Datasheet for ABIN950620 anti-BCKDHB antibody (N-Term)

5 Images



### Overview

Quantity:	0.4 mL
Target:	BCKDHB
Binding Specificity:	AA 44-74, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BCKDHB antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	KLH conjugated synthetic peptide between 44-74 amino acids from the N-terminal region of human BCKDHB
Isotype:	Ig Fraction
Specificity:	This antibody reacts to BCKDHB.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A
Target Details	

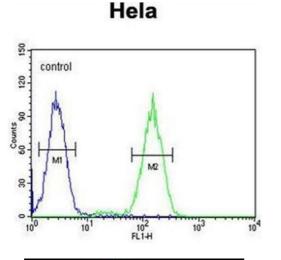
Target:

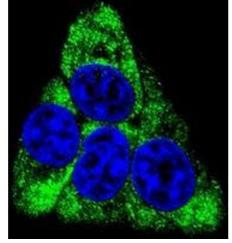
BCKDHB

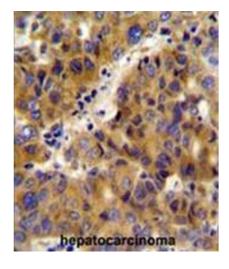
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Target Details	
Alternative Name:	BCKDHB (BCKDHB Products)
Background:	Branched-chain keto acid dehydrogenase is a multienzyme complex associated with the inner
	membrane of mitochondria, and functions in the catabolism of branched-chain amino acids.
	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.Synonyms: 2-
	oxoisovalerate dehydrogenase subunit beta, alpha-keto acid dehydrogenase, mitochondrial
	Branched-chain alpha-keto acid dehydrogenase E1 component beta chain
Gene ID:	594
NCBI Accession:	NP_000047
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) sodium azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

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#### **Flow Cytometry**

**Image 1.** BCKDHB Antibody (N-term) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### Immunofluorescence

**Image 2.** Confocal immunofluorescent analysis of BCKDHB Antibody (N-term)(Cat#AP50353PU-N) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

## Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** BCKDHB Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the BCKDHB Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Please check the product details page for more images. Overall 5 images are available for ABIN950620.

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