

BCKDHA Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6830b

Specification

BCKDHA Antibody (C-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	P12694
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	50471
Antigen Region	362-390

BCKDHA Antibody (C-term) - Additional Information

Gene ID 593

Other Names

2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial, Branched-chain alpha-keto acid dehydrogenase E1 component alpha chain, BCKDE1A, BCKDH E1-alpha, BCKDHA

Target/Specificity

This BCKDHA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 362-390 amino acids from the C-terminal region of human BCKDHA.

Dilution

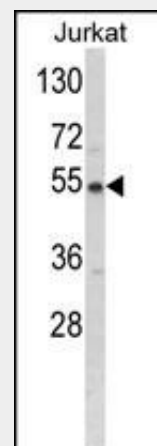
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format

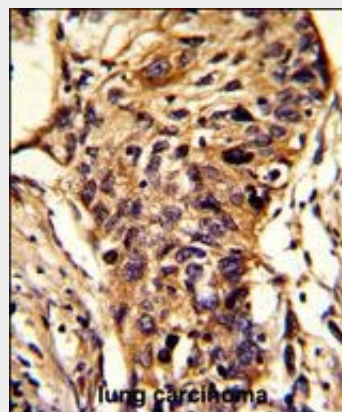
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western blot analysis of BCKDHA Antibody (C-term) (Cat. #AP6830b) in Jurkat cell line lysates (35ug/lane). BCKDHA (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human lung carcinoma reacted with BCKDHA Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Precautions

BCKDHA Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

BCKDHA Antibody (C-term) - Protein Information

Name BCKDHA

Function

The branched-chain alpha-keto dehydrogenase complex catalyzes the overall conversion of alpha-keto acids to acyl-CoA and CO₂. It contains multiple copies of three enzymatic components: branched-chain alpha-keto acid decarboxylase (E1), lipoamide acyltransferase (E2) and lipoamide dehydrogenase (E3).

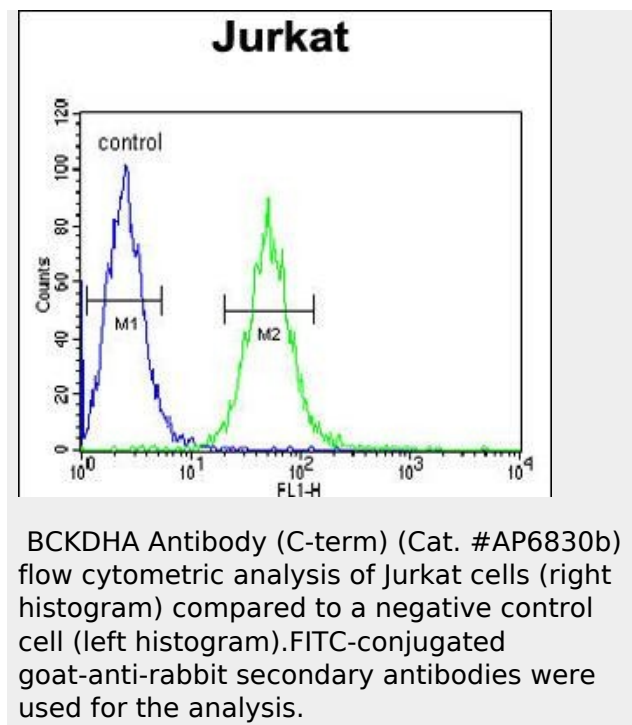
Cellular Location

Mitochondrion matrix.

BCKDHA Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



BCKDHA Antibody (C-term) - Background

The branched-chain alpha-keto acid (BCAA) dehydrogenase (BCKD) complex is an inter 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). BCKDHA is the alpha subunit of the decarboxylase (E1) component.

BCKDHA Antibody (C-term) - References

Flaschker, N., et al., J. Inherit. Metab. Dis. 30 (6), 903-909 (2007)