

Rabbit anti-Human BCKDHA Polyclonal Antibody | anti-BCKDHA antibody

BCKDHA Antibody (C-term)

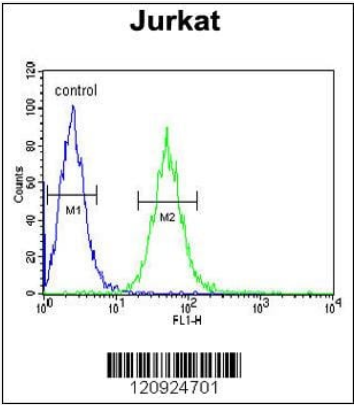
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289283	Rabbit	Human	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

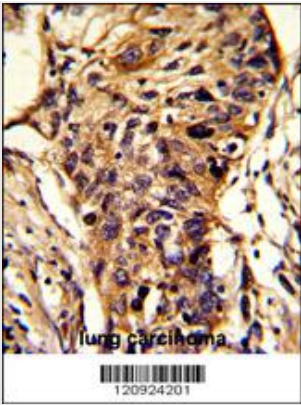
BCKDHA; Polyclonal Antibody; BCKDHA Antibody (C-term); 2-oxoisovalerate dehydrogenase subunit alpha; mitochondrial; Branched-chain alpha-keto acid dehydrogenase E1 component alpha chain; BCKDE1A; BCKDH E1-alpha; anti-BCKDHA antibody

PRODUCT SPECIFICATIONS

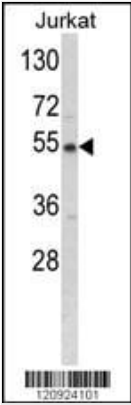
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This BCKDHA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 362-390 amino acids from the C-terminal region of human BCKDHA.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	362-390
Sequence Length	445
Applicable Applications for anti-BCKDHA antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
BCKDHA Antibody (C-term) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
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.



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

ADDITIONAL INFORMATION

Related Product Information for anti-BCKDHA antibody	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). BCKDHA is the alpha subunit of the decarboxylase (E1) component.
References	Flaschker,N., et.al., J. Inherit. Metab. Dis. 30 (6), 903-909 (2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	11386135
NCBI GeneID	593
NCBI Accession #	NP_000700.1
NCBI GenBank Nucleotide #	NM_000709.3
UniProt Accession #	P12694; Q16034; Q16472; B4DP47; E7EW46
Molecular Weight	50471
NCBI Official Full Name	2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial isoform 1

NCBI Official Synonym Full Names	branched chain keto acid dehydrogenase E1, alpha polypeptide
NCBI Official Symbol	BCKDHA
NCBI Official Synonym Symbols	MSU; MSUD1; OVD1A; BCKDE1A
NCBI Protein Information	2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial
UniProt Protein Name	2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial
UniProt Gene Name	BCKDHA
UniProt Synonym Gene Names	BCKDE1A; BCKDH E1-alpha
UniProt Entry Name	ODBA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/bckdha-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/289283>