

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

BCKDHA Polyclonal Antibody

CATALOG # AAA179586	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Western Blot
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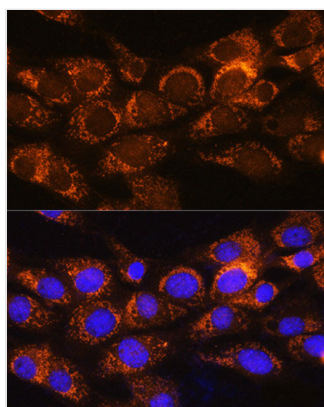
PRODUCT SYNONYMS

BCKDHA; Polyclonal Antibody; BCKDHA Polyclonal Antibody; BCKDE1A; MSU; MSUD1; OVD1A; 2-oxoisovalerate dehydrogenase subunit alpha; mitochondrial; anti-BCKDHA antibody

PRODUCT SPECIFICATIONS

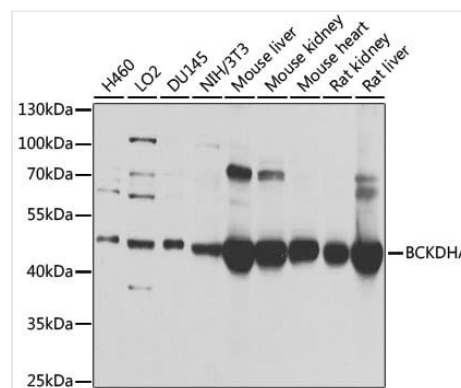
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-BCKDHA antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein of human BCKDHA
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using BCKDHA Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines using BCKDHA Polyclonal Antibody at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-BCKDHA antibody	The branched-chain alpha-keto acid (BCAA) dehydrogenase (BCKD) complex is an innter 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). This gene encodes the alpha subunit of the decarboxylase (E1) component. Mutations in this gene result in maple syrup urine disease, type IA. Multiple transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-BCKDHA antibody	Antibodies ; Primary Antibodies ; Polyclonal Antibody

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	50,790 Da
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; 2-oxoisovalerate dehydrogenase (lipoamide); BCKDH E1-alpha; branched-chain alpha-keto acid dehydrogenase E1 component alpha chain
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bckdha-antibody-immunofluorescence-western-blot-elisa/179586>