

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

Rabbit anti-BCKDHA Antibody, Affinity Purified

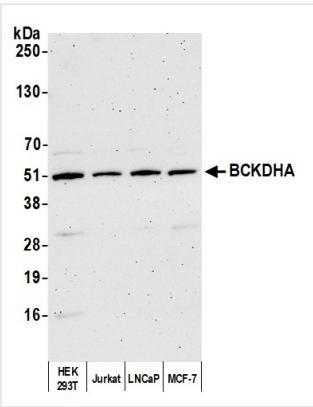
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212287	Rabbit	Human	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

BCKDHA; Polyclonal Antibody; Rabbit anti-BCKDHA Antibody; Affinity Purified; BCKDH E1-alpha; OVD1A; MSUD1; MSU; branched chain keto acid dehydrogenase E1 alpha protein; BCKDE1A; 2-oxoisovalerate dehydrogenase subunit alpha; mitochondrial; 2-oxoisovalerate dehydrogenase (lipoamide); branched-chain alpha-keto acid dehydrogenase E1 component alpha chain; branched chain keto acid dehydrogenase E1; alpha polypeptide; anti-BCKDHA antibody

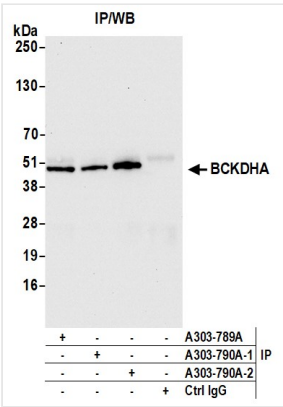
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-BCKDHA antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Rat, Chimpanzee
Immunogen	Between 395 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



WB (Western Blot)

Detection of human BCKDHA by western blot. Samples: Whole cell lysate (10 ug) from HEK293T, Jurkat, LNCaP, and MCF-7 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-BCKDHA antibody AAA212287 (lot AAA212287-2) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human BCKDHA by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-BCKDHA antibody AAA212287 (lot AAA212287-2) used for IP at 6 ug per reaction. BCKDHA was also immunoprecipitated by a previous lot of this antibody (lot AAA212287-1) and rabbit anti-BCKDHA antibody For blotting immunoprecipitated BCKDHA, AAA212287 was used at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-BCKDHA antibody	BCKDHA (branched chain keto acid dehydrogenase E1, alpha polypeptide) is a component of the branched-chain alpha-keto acid (BCAA) dehydrogenase (BCKD) complex. The 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). Mutations in this gene result in maple syrup urine disease, type 1A [taken from NCBI Entrez Gene (Gene ID: 593)].
Product Categories/Family for anti-BCKDHA antibody	Primary Antibodies

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-immunoprecipitation-western-blot-elisa/212287>