

Rabbit BCKDHA Polyclonal Antibody | anti-BCKDHA antibody

BCKDHA Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329151	Rabbit	Human, Mouse, Rat Predicted Reactivity: Zebrafish(100%), Bovine(100%), Horse(100%), Sheep(100%), Dog(100%), Xenopus(100%)	ELISA

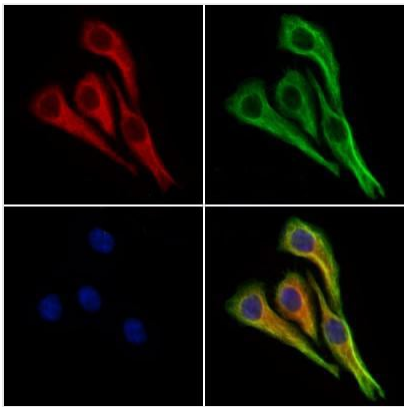
PRODUCT SYNONYMS

BCKDHA; Polyclonal Antibody; BCKDHA Antibody; Branched chain alpha keto acid dehydrogenase E1 component alpha polypeptide; FLJ45695; OVD1A; 2 oxoisovalerate dehydrogenase (lipoamide); 2 oxoisovalerate dehydrogenase subunit alpha; mitochondrial; 2-oxoisovalerate dehydrogenase subunit alpha; BCKDE1A; BCKDH E1 alpha; BCKDH E1-alpha; Branched chain alpha keto acid dehydrogenase E1 component alpha chain; Branched chain keto acid dehydrogenase E1 alpha polypeptide; Branched chain keto acid dehydrogenase E1; alpha polypeptide (maple syrup urine disease); Branched-chain alpha-keto acid dehydrogenase E1 component alpha chain; MSU; MSUD1; ODBA_HUMAN; anti-BCKDHA antibody

PRODUCT SPECIFICATIONS

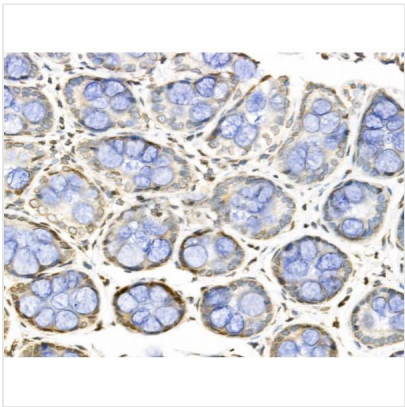
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Zebrafish(100%), Bovine(100%), Horse(100%), Sheep(100%), Dog(100%), Xenopus(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	BCKDHA Antibody detects endogenous levels of total BCKDHA.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	445
Applicable Applications for anti-BCKDHA antibody	ELISA
Immunogen	A synthesized peptide derived from human BCKDHA, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



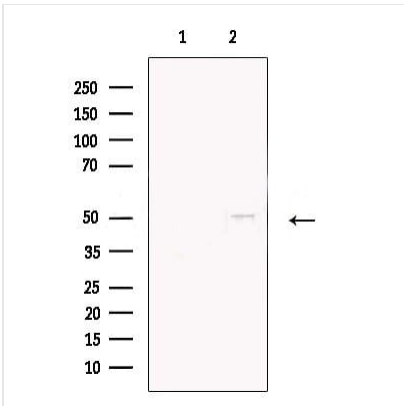
IF (Immunofluorescence)

AAA329151 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA329151 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry)

AAA329151 at 1/100 staining Rat colorectal tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from MCF7, using BCKDHA Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-BCKDHA antibody	Function: The branched-chain alpha-keto dehydrogenase complex catalyzes the overall conversion of alpha-keto acids to acyl-CoA and CO(2). It contains multiple copies of three enzymatic components: branched-chain alpha-keto acid decarboxylase (E1), lipoamide acyltransferase (E2) and lipoamide dehydrogenase (E3).
	Subcellular Location: Mitochondrion matrix.
	Subunit Structure: Heterotetramer of alpha and beta chains.
	Similarity: Belongs to the BCKDHA family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11386135
NCBI GeneID	593
NCBI Accession #	NP_000700.1
NCBI GenBank Nucleotide #	NP_000700.1
UniProt Accession #	P12694

Molecular Weight	Observed Molecular Weight: (Observed)50kD. Predicted Molecular Weight: (Calculated)50kDa.
NCBI Official Full Name	2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial isoform 1
NCBI Official Synonym Full Names	branched chain keto acid dehydrogenase E1 subunit alpha
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bckdha-antibody-elisa/329151>