

BCKDHA recombinant antibody

Rabbit anti-Phospho BCKDHA (S292) Recombinant Monoclonal Antibody [BLR060F]

CATALOG # AAA213555	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Western Blot, Western Blot
-------------------------------	-----------------------	-----------------------------------	---

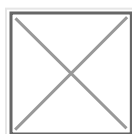
PRODUCT SYNONYMS

BCKDHA; Monoclonal Recombinant Antibody; Rabbit anti-Phospho BCKDHA (S292) Recombinant Monoclonal Antibody [BLR060F]; Phospho (S292); 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; BCKDHA recombinant antibody

PRODUCT SPECIFICATIONS

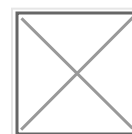
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Clone Number	BLR060F
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	40ug/ml (varies by lot)
Applicable Applications for BCKDHA recombinant antibody	WB (Simple Western Blot), WB (Western Blot)
Immunogen	Surrounding serine 292
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human Phospho BCKDHA (S292) by western blot. Samples: Whole cell lysate (50 ug) from HEK293T cells mock treated (-) or treated with phosphatases (+). Antibody: Rabbit anti-Phospho BCKDHA (S292) recombinant monoclonal antibody (AAA213555 lot 3) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 3 minutes. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



WB (Western Blot)

Detection of human Phospho BCKDHA (S292) by western blot. Samples: Whole cell lysate (50 ug) from HEK293T, GaMG, Hep-G2, HeLa, and LNCaP cells prepared using NETN lysis buffer. Antibody: Rabbit anti-Phospho-BCKDHA-S292 recombinant monoclonal antibody (AAA213555 lot 3) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 3 minutes. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



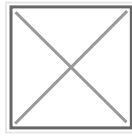
WB (Western Blot)

Detection of mouse Phospho BCKDHA (S292) by western blot. Samples: Whole cell lysate (50 ug) from NIH 3T3, CT26, TCMK-1, BW5147.3, and CH27 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-Phospho BCKDHA (S292) recombinant monoclonal antibody (AAA213555 lot 3) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 75 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



Simple Western

Detection of mouse pBCKDHA (S292) by Simple Western. Samples: Whole cell lysate (0.4 mg/mL) from NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-Phospho BCKDHA (S292) recombinant monoclonal antibody (AAA213555) used at 1:10, 1:50, and 1:250. Separation and Detection: SallySue ProteinSimple instrument with the 12-230 kDa separation module and anti-Rabbit detection module. Left Panel: Virtual Lane View. Right Panel: Electropherogram.



Simple Western

Detection of human pBCKDHA (S292) by Simple Western. Samples: Whole cell lysate (0.08 mg/mL) from HEK293T cells prepared using NETN lysis buffer. Antibody: Rabbit anti-Phospho BCKDHA (S292) recombinant monoclonal antibody (AAA213555) used at 1:10, 1:50, and 1:250. Separation and Detection: SallySue ProteinSimple instrument with the 12-230 kDa separation module and anti-Rabbit detection module. Left Panel: Virtual Lane View. Right Panel: Electropherogram.

ADDITIONAL INFORMATION

Related Product Information for BCKDHA recombinant 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 IA [taken from NCBI Entrez Gene (Gene ID: 593)].
Product Categories/Family for BCKDHA recombinant 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/bckdha-recombinant-antibody-clone-blr060f-simple-western-blot-western-blot-elisa/213555>