

Mouse BCKDK Monoclonal Antibody | anti-BCKDK antibody

BCKDK antibody

CATALOG # AAA106307	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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PRODUCT SYNONYMS

BCKDK; Monoclonal Antibody; BCKDK antibody; Monoclonal BCKDK; Anti-BCKDK; Branched Chain Ketoacid Dehydrogenase Kinase; anti-BCKDK antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	11C9
Purity/Purification	BCKDK antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	412
Applicable Applications for anti-BCKDK antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Biological Significance	BCKDaK belongs to the PDK/BCKDaK protein kinase family. It contains 1 histidine kinase domain. BCKDaK catalyzes the phosphorylation and in activation of the branched-chain alpha-ketoacid dehydrogenase complex, the key regulatory enzyme of the valine, leucine and isoleucine catabolic pathways. BCKDaK is the key enzyme that regulates the activity state of the BCKDa complex.
Cross-Reactivity	Human
Immunogen	BCKDK antibody was raised in mouse using a full length recombinant protein of human BCKDK (NP_005872) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of BCKDK protein in paraffin embedded Human endometrium tissue using BCKDK antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant BCKDK protein (Right) or empty vector (Left) detected with BCKDK antibody

ADDITIONAL INFORMATION

Related Product Information for anti-BCKDK antibody	Mouse monoclonal BCKDK antibody
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Product Categories/Family for anti-BCKDK antibody

Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	171906589
NCBI GeneID	10295
NCBI Accession #	NP_005872
NCBI GenBank Nucleotide #	NM_005881.3
UniProt Accession #	O14874; Q6FGL4; Q96G95; Q96IN5; A8MY43
Molecular Weight	41,090 Da
NCBI Official Full Name	[3-methyl-2-oxobutanoate dehydrogenase
NCBI Official Synonym Full Names	branched chain ketoacid dehydrogenase kinase
NCBI Official Symbol	BCKDK
NCBI Official Synonym Symbols	BDK; BCKDKD
NCBI Protein Information	[3-methyl-2-oxobutanoate dehydrogenase [lipoamide]] kinase, mitochondrial
UniProt Protein Name	[3-methyl-2-oxobutanoate dehydrogenase [lipoamide]] kinase, mitochondrial
UniProt Gene Name	BCKDK
UniProt Synonym Gene Names	BCKD-kinase; BCKDHKIN
UniProt Entry Name	BCKD_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/monoclonal/bckdk-antibody-clone-11c9-western-blot-immunohistochemistry-immunofluorescence-elisa/106307>