

Rabbit BCKDK Polyclonal Antibody | anti-BCKDK antibody

BCKDK antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200213	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat	Western Blot

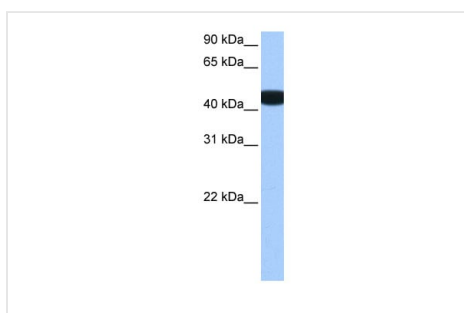
PRODUCT SYNONYMS

BCKDK; Polyclonal Antibody; BCKDK antibody - N-terminal region; anti-BCKDK antibody

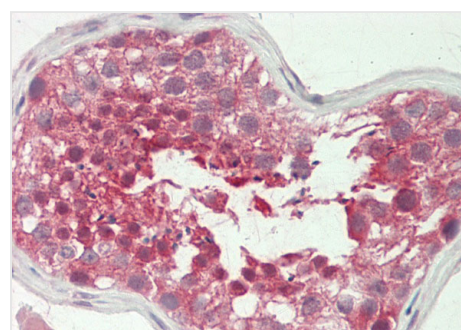
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: CL PFIIGCNPTI LHVHELYIRA FQKLTFPPI KDQADEAQYC QLVRQLLD
Sequence Length	412
Applicable Applications for anti-BCKDK antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 93%; Guinea Pig: 93%; Horse: 92%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 86%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human BCKDK
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

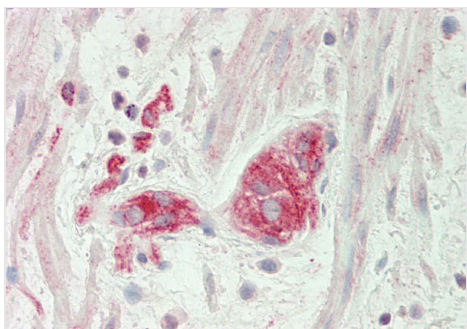
IMAGES


WB (Western Blot)

WB Suggested Anti-BCKDK Antibody Titration: 0.2-1 ug/ml Positive Control: Human brain


IHC (Immunohistochemistry)

Rabbit Anti-BCKDK antibody Formalin Fixed Paraffin Embedded Tissue: Human Testis Primary antibody Concentration: 1:100 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20x Exposure Time: 0.5-2.0sec



IHC (Immunohistochemistry)

Rabbit Anti-BCKDK antibody
Formalin Fixed Paraffin Embedded Tissue: Human Colon, Submucosal Plexus
Primary antibody Concentration: 1:100
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20x
Exposure Time: 0.5-2.0sec

ADDITIONAL INFORMATION

Related Product Information for anti-BCKDK antibody	This is a rabbit polyclonal antibody against BCKDK. It was validated on Western Blot using a cell lysate as a positive control. Target Description: BCKDK belongs to the PDK/BCKDK protein kinase family. It contains 1 histidine kinase domain. BCKDK catalyzes the phosphorylation and inactivation of the branched-chain alpha-ketoacid dehydrogenase complex, the key regulatory enzyme of the valine, leucine and isoleucine catabolic pathways. BCKDK is the key enzyme that regulates the activity state of the BCKD complex.
Product Categories/Family for anti-BCKDK antibody	Polyclonal ; Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	171906589
NCBI GeneID	10295
NCBI Accession #	NP_005872
NCBI GenBank Nucleotide #	NM_005881
UniProt Accession #	O14874
Molecular Weight	43kDa
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	BKD; BCKDKD
NCBI Protein Information	[3-methyl-2-oxobutanoate dehydrogenase [lipoamide]] kinase, mitochondrial; 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.

