

产品名称: BCKDK Rabbit Polyclonal Antibody
产品货号: AP Rab07494



产品概述 (Summary)

产品名称 (Production Name)	BCKDK Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	BCKDK BCKDK; [3-methyl-2-oxobutanoate dehydrogenase [lipoamide]] kinase;
别名 (Alternative Names)	mitochondrial; Branched-chain alpha-ketoacid dehydrogenase kinase; BCKD-kinase; BCKDHKIN
基因 ID (Gene ID)	10295.0
蛋白 ID (SwissProt ID)	O14874.The antiserum was produced against synthesized peptide derived from human BCKD . AA range:11-60

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	46kDa

产品名称: BCKDK Rabbit Polyclonal Antibody
产品货号: AP Rab07494



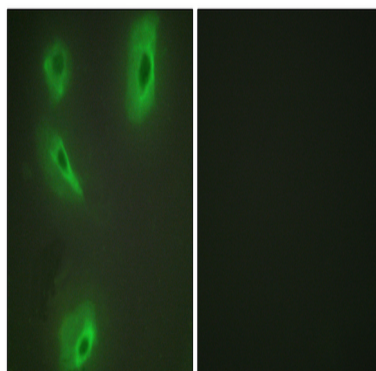
研究背景 (Background)

The branched-chain alpha-ketoacid dehydrogenase complex (BCKD) is an important regulator of the valine, leucine, and isoleucine catabolic pathways. The protein encoded by this gene is found in the mitochondrion, where it phosphorylates and inactivates BCKD. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2012], catalytic activity: ATP + [3-methyl-2-oxobutanoate dehydrogenase (acetyl-transferring)] = ADP + [3-methyl-2-oxobutanoate dehydrogenase (acetyl-transferring)] phosphate., function: 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. Key enzyme that regulate the activity state of the BCKD complex., PTM: Autophosphorylated., similarity: Belongs to the PDK/BCKDK protein kinase family., similarity: Contains 1 histidine kinase domain., subunit: Monomer., tissue specificity: Ubiquitous.,

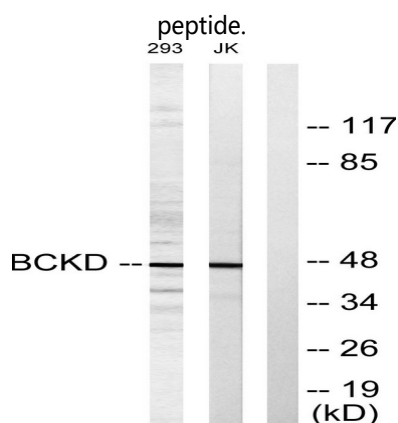
研究领域 (Research Area)

Tags & Cell Markers; Subcellular Markers; Organelles; Mitochondria; Signal Transduction; Metabolism; Amino Acids; Mitochondrial; Metabolism; Pathways and Processes; Mitochondrial Metabolism; Mitochondrial markers; Amino acid metabolism

图片 (Image Data)



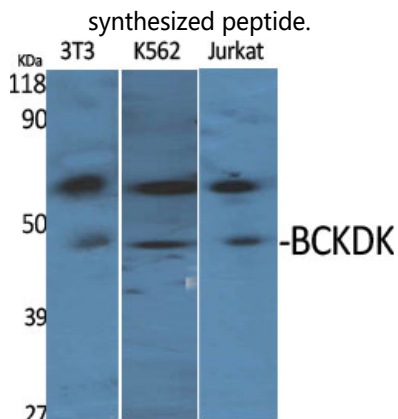
Immunofluorescence analysis of HeLa cells, using BCKD Antibody . The picture on the right is blocked with the synthesized



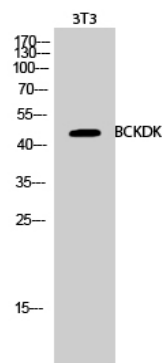
产品名称: BCKDK Rabbit Polyclonal Antibody
产品货号: APRab07494



Western blot analysis of lysates from Jurkat and 293 cells, using BCKD Antibody . The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using BCKDK Polyclonal Antibody



Western Blot analysis of 3T3 cells using BCKDK Polyclonal Antibody

注意事项 (Note)

For research use only .