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Product datasheet for CF500685

BCKDH kinase (BCKDK) Mouse Monoclonal Antibody [Clone ID: OTI11C9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI11C9
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:50, IF 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human BCKDK (NP_005872) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	46.4 kDa
Gene Name:	branched chain keto acid dehydrogenase kinase
Database Link:	NP_005872 Entrez Gene 12041 MouseEntrez Gene 29603 RatEntrez Gene 10295 Human O14874
Background:	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 .

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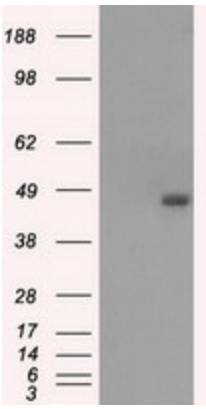
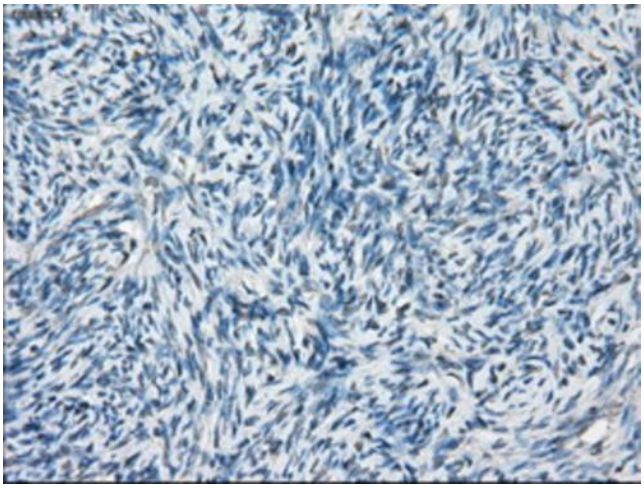
Synonyms: BCKDKD; BDK

Protein Families: Druggable Genome, Protein Kinase

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY BCKDK (Cat# [RC203601], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BCKDK(Cat# [TA500685]). Positive lysates [LY401780] (100ug) and [LC401780] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-BCKDK mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500685])

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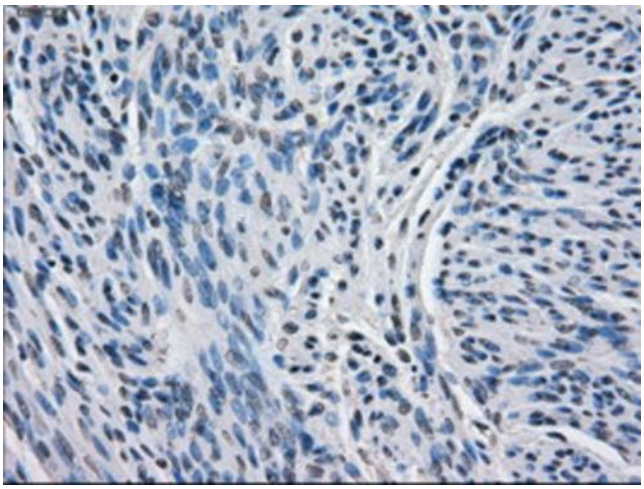
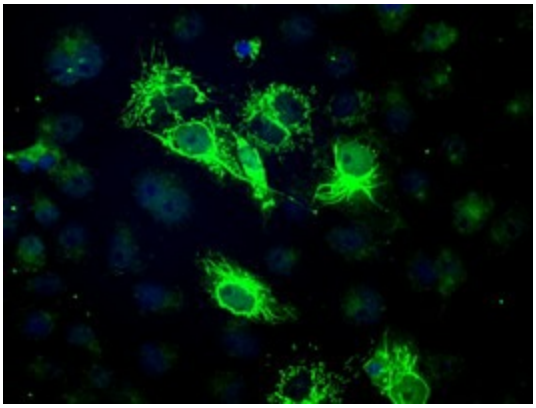


Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-BCKDK mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA500685])



Anti-BCKDK mouse monoclonal antibody ([TA500685]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY BCKDK ([RC203601]).

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