

# Product Datasheet

## BCKDK Antibody (OTI11C9)

### NBP1-47664

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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#### Publications: 1

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**NBP1-47664**

BCKDK Antibody (OTI11C9)

Product Information	
Unit Size	0.1 ml
Concentration	0.8 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI11C9
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	46.4 kDa

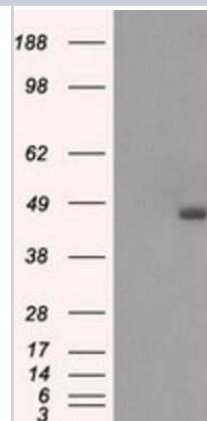
Product Description	
Description	Novus Biologicals Mouse BCKDK Antibody (OTI11C9) (NBP1-47664) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-BCKDK Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	10295
Gene Symbol	BCKDK
Species	Human, Mouse, Rat
Reactivity Notes	Use in Mouse reported in scientific publication (PMID: 32561715). Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Specificity/Sensitivity	This antibody is specific for Homo sapiens branched chain ketoacid dehydrogenase kinase (BCKDK), nuclear gene encoding mitochondrial protein, transcript variant 1.
Immunogen	Full length human recombinant protein of human BCKDK (NP_005872) produced in HEK293T cell.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:2000, Immunohistochemistry 1:50, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:50

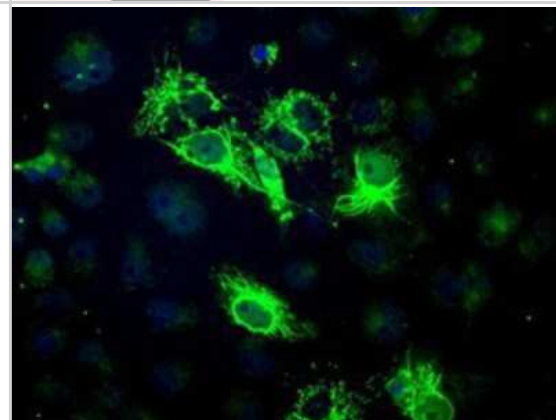


## Images

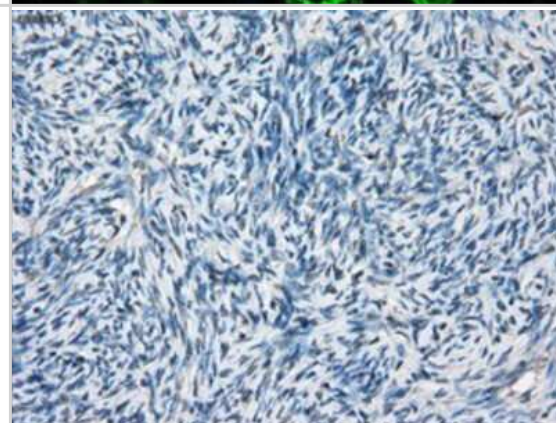
Western Blot: BCKDK Antibody (11C9) [NBP1-47664] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY BCKDK (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BCKDK.



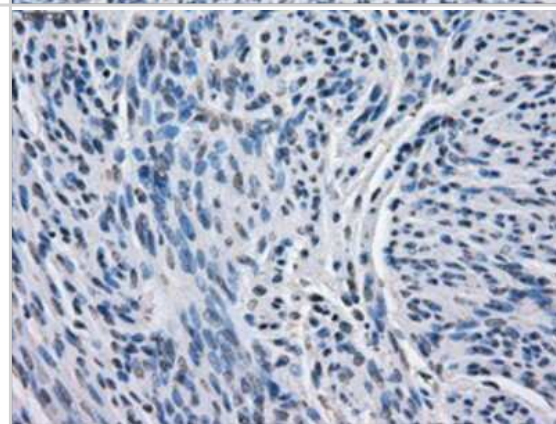
Immunocytochemistry/Immunofluorescence: BCKDK Antibody (11C9) [NBP1-47664] Staining of COS7 cells transiently transfected by pCMV6-ENTRY BCKDK.



Immunohistochemistry-Paraffin: BCKDK Antibody (11C9) [NBP1-47664] - Staining of paraffin-embedded Human Ovary tissue using anti-BCKDK mouse monoclonal antibody.



Immunohistochemistry-Paraffin: BCKDK Antibody (11C9) [NBP1-47664] - Staining of paraffin-embedded Human endometrium tissue using anti-BCKDK mouse monoclonal antibody.



## Publications

Son SM, Park SJ, Stamatakou E et al. Leucine regulates autophagy via acetylation of the mTORC1 component raptor Nat Commun 2020-06-19 [PMID: 32561715] (WB, Mouse)



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### **Products Related to NBP1-47664**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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