

Datasheet for ABIN2784788

anti-BCKDK antibody (N-Term)





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Overview	
Quantity:	100 μL
Target:	BCKDK
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Pig, Guinea Pig, Rabbit, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BCKDK antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human BCKDK
Sequence:	CLPFIIGCNP TILHVHELYI RAFQKLTDFP PIKDQADEAQ YCQLVRQLLD
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 93%, Horse: 92%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 86%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against BCKDK. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	BCKDK

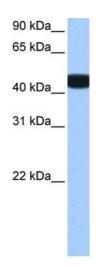
Target Details

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Alternative Name:	BCKDK (BCKDK Products)	
Background:	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. Alias Symbols: - Protein Interaction Partner: UBC, SUMO1, NEDD8, LSM8, STAT3, EPS8, APP, NR5A2, TERF2, TRAF4, FAM98B, CAB39L, RNF219, CAB39, RTCA, BCKDHA, Protein Size: 412	
Molecular Weight:	43 kDa	
Gene ID:	10295	
NCBI Accession:	NM_005881, NP_005872	
UniProt:	014874	
Pathways:	SARS-CoV-2 Protein Interactome	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 412 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Handling Advice:	Avoid repeated freeze-thaw cycles.	

Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Publications	
Product cited in:	Ewing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor, Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha, Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass spectrometry" in: Molecular systems biology , Vol. 3, pp. 89, (2007) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-BCKDK Antibody Titration:

0.2-1 ug/ml

Positive Control: Human brain