

Datasheet for ABIN2784788

anti-BCKDK antibody (N-Term)



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1 Image

1 Publication

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 RAFQKLTFDP 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
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Target Details

Alternative Name:	BCKDK (BCKDK Products)
Background:	<p>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.</p> <p>Alias Symbols: -</p> <p>Protein Interaction Partner: UBC, SUMO1, NEDD8, LSM8, STAT3, EPS8, APP, NR5A2, TERF2, TRAF4, FAM98B, CAB39L, RNF219, CAB39, RTCA, BCKDHA,</p> <p>Protein Size: 412</p>
Molecular Weight:	43 kDa
Gene ID:	10295
NCBI Accession:	NM_005881 , NP_005872
UniProt:	O14874
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).
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Images



Western Blotting

Image 1. WB Suggested Anti-BCKDK Antibody Titration:

0.2-1 ug/ml

Positive Control: Human brain