

Product datasheet

Anti-BCKDH kinase antibody ab111716

1 References 3 Images

Overview

<b>Product name</b>	Anti-BCKDH kinase antibody
<b>Description</b>	Rabbit polyclonal to BCKDH kinase
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Recombinant fragment, corresponding to a region within amino acids 46-287 of Human BCKDH kinase (AAH07363).
<b>Positive control</b>	293T and Mouse brain whole cell lysates; Human gastric carcinoma tissue.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab111716 is purified by antigen-affinity chromatography.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab111716** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

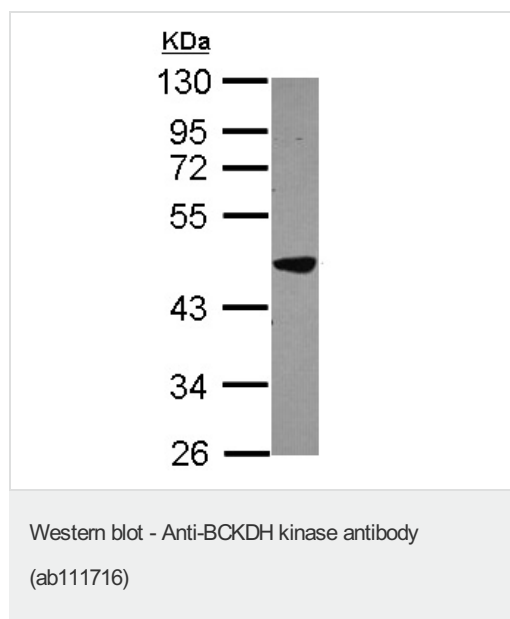
Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 46 kDa.

Application	Abreviews	Notes
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. or Tris-EDTA buffer ( PH8.0)

## Target

<b>Function</b>	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.
<b>Tissue specificity</b>	Ubiquitous.
<b>Sequence similarities</b>	Belongs to the PDK/BCKDK protein kinase family. Contains 1 histidine kinase domain.
<b>Post-translational modifications</b>	Autophosphorylated.
<b>Cellular localization</b>	Mitochondrion matrix.

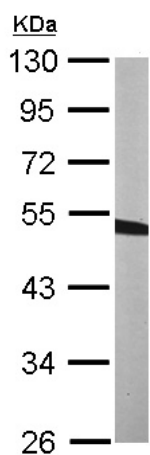
## Images



Anti-BCKDH kinase antibody (ab111716) at 1/1000 dilution + 293T whole cell lysate at 30 µg

**Predicted band size:** 46 kDa

10% SDS-PAGE.

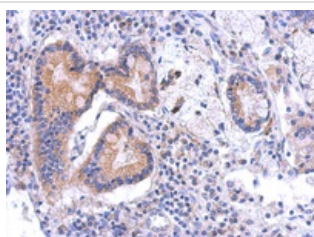


Western blot - Anti-BCKDH kinase antibody  
(ab111716)

Anti-BCKDH kinase antibody (ab111716) at  
1/1000 dilution + Mouse brain whole cell lysate  
at 50 µg

**Predicted band size:** 46 kDa

10% SDS-PAGE.



Immunohistochemistry (Formalin/PFA-fixed paraffin-  
embedded sections) - Anti-BCKDH kinase antibody  
(ab111716)

ab111716 at 1/500 dilution staining BCKDH  
kinase in Formalin-fixed, paraffin-embedded  
Human Gastric carcinoma tissue by  
Immunohistochemistry.

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