

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>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<br>Preservative: 0.01% Thimerosal (merthiolate)<br>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.

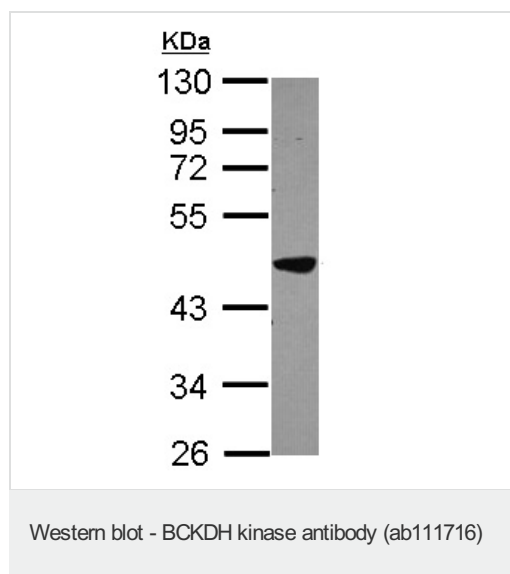
| Application | Abreviews | Notes   |
|-------------|-----------|---|
| WB          |           | 1/500 - 1/3000. Predicted molecular weight: 46 kDa. |

| 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

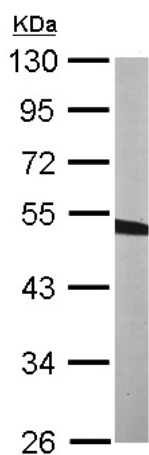
|   |   |
|---|---|
| <b>Function</b>                         | Catalyzes the phosphorylation and inactivation of the branched-chain alpha-ketoacid dehydrogenase complex, the key regulatory enzyme of the valine, leucine and isoleucine catabolic pathways. Key enzyme that regulate the activity state of the BCKD complex. |
| <b>Tissue specificity</b>               | Ubiquitous.   |
| <b>Sequence similarities</b>            | Belongs to the PDK/BCKDK protein kinase family.<br>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

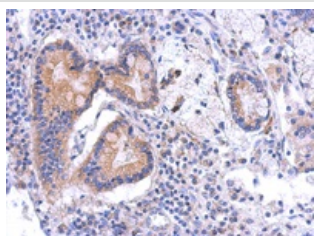
**Predicted band size : 46 kDa**



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

**Predicted band size : 46 kDa**

Western blot - BCKDH kinase antibody (ab111716)



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

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

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