


Product datasheet

# Anti-CDC42 binding protein kinase alpha antibody ab96659

[1 References](#) [2 Images](#)

Overview

<b>Product name</b>	Anti-CDC42 binding protein kinase alpha antibody
<b>Description</b>	Rabbit polyclonal to CDC42 binding protein kinase alpha
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Recombinant fragment, corresponding to a region within amino acids 373-574 of Human CDC42 binding protein kinase alpha isoform 3 (NP_055641).
<b>Positive control</b>	H1299, A549 and HeLa whole cell lysates

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>	Preservative: 0.01% Thimerosal (merthiolate) Constituents: 40% Glycerol, 1 x PBS, pH 7.0
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab96659** 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: 186 kDa.
IHC-P		1/100 - 1/500. Perform heat-mediated antigen retrieval with 10mM Citrate buffer or Tris-EDTA buffer (pH 8.0)

## Target

### Function

May act as a downstream effector of CDC42 in cytoskeletal reorganization. Contributes to the actomyosin contractility required for cell invasion, through the regulation of MYPT1 and thus MLC2 phosphorylation.

### Tissue specificity

Abundant in the heart, brain, skeletal muscle, kidney, and pancreas, with little or no expression in the lung and liver.

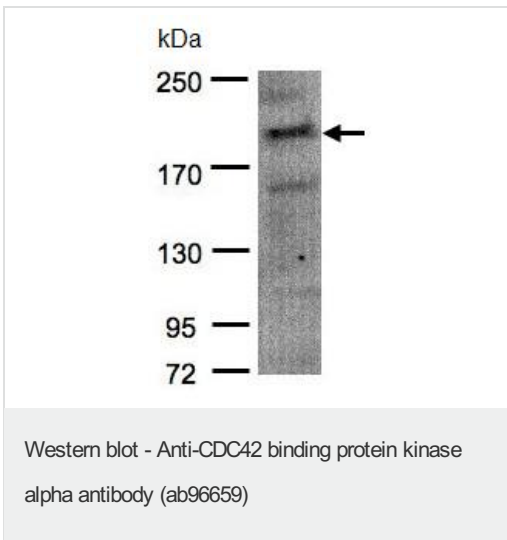
### Sequence similarities

Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. DMPK subfamily. Contains 1 AGC-kinase C-terminal domain. Contains 1 CNH domain. Contains 1 CRIB domain. Contains 1 PH domain. Contains 1 phorbol-ester/DAG-type zinc finger. Contains 1 protein kinase domain.

### Cellular localization

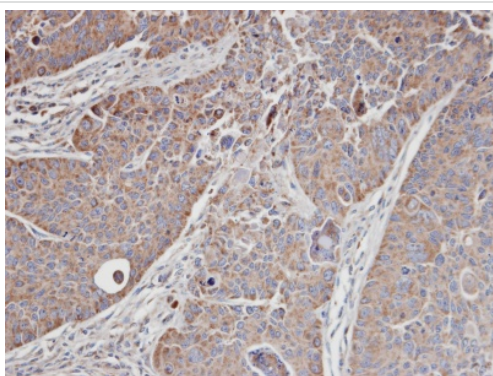
Cytoplasm. Displays a dispersed punctate distribution and concentrates along the cell periphery, especially at the leading edge and cell-cell junction. This concentration is PH-domain dependent.

## Anti-CDC42 binding protein kinase alpha antibody images



Anti-CDC42 binding protein kinase alpha antibody (ab96659) at 1/1500 dilution + H1299 whole cell lysate at 30 µg

**Predicted band size** : 186 kDa  
7.5% SDS PAGE



ab96659 staining CDC42 binding protein kinase alpha in SW480 xenograft at 1/100 dilution by Immunohistochemistry (Formalin/PFA-Fixed Paraffin-embedded sections)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDC42 binding protein kinase alpha antibody (ab96659)

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