

Datasheet for ABIN7169072  
**anti-CDC42BPB antibody (AA 1609-1711)**



[Go to Product page](#)

3 Images

## Overview

Quantity:	100 µg
Target:	CDC42BPB
Binding Specificity:	AA 1609-1711
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDC42BPB antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Serine/threonine-protein kinase MRCK beta protein (1609-1711AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	CDC42BPB
Alternative Name:	CDC42BPB ( <a href="#">CDC42BPB Products</a> )
Background:	Background: Serine/threonine-protein kinase which is an important downstream effector of CDC42 and plays a role in the regulation of cytoskeleton reorganization and cell migration.

## Target Details

Regulates actin cytoskeletal reorganization via phosphorylation of PPP1R12C and MYL9/MLC2. In concert with MYO18A and LURAP1, is involved in modulating lamellar actomyosin retrograde flow that is crucial to cell protrusion and migration. Phosphorylates PPP1R12A.

Aliases: CDC42 binding protein kinase beta antibody, CDC42-binding protein kinase beta antibody, CDC42BPB antibody, DMPK like beta antibody, DMPK-like beta antibody, KIAA1124 antibody, MRCK beta antibody, MRCKB\_HUMAN antibody, Myotonic dystrophy kinase related CDC42 binding kinase beta antibody, Myotonic dystrophy kinase-related CDC42-binding kinase beta antibody, Myotonic dystrophy protein kinase like beta antibody, Myotonic dystrophy protein kinase-like beta antibody, Serine/threonine protein kinase MRCK beta antibody, Serine/threonine-protein kinase MRCK beta antibody

UniProt: [Q9Y5S2](#)

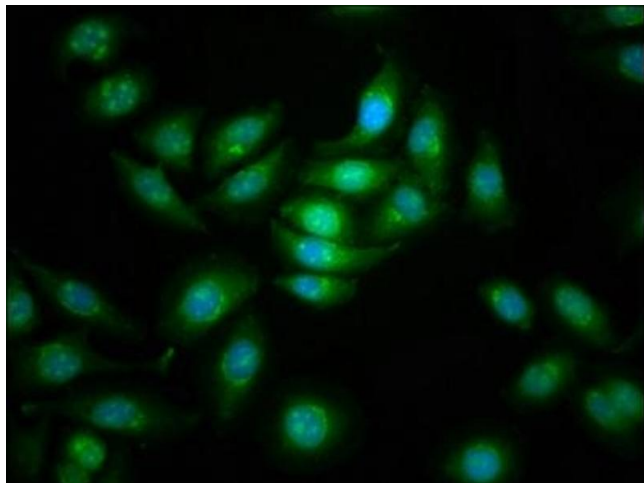
## Application Details

Application Notes: Recommended dilution: IHC:1:500-1:1000, IF:1:50-1:200,

Restrictions: For Research Use only

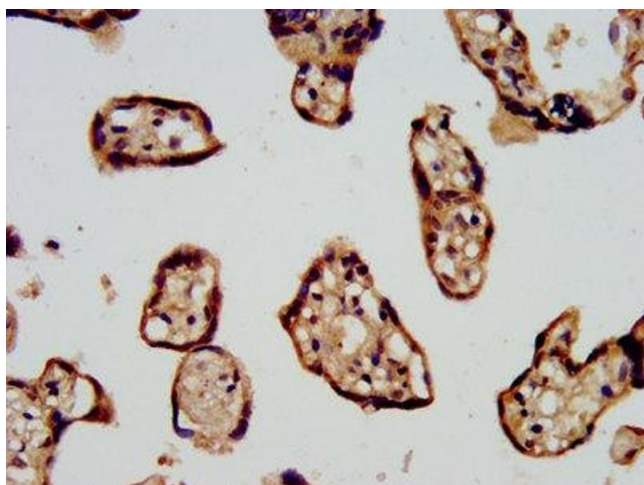
## Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



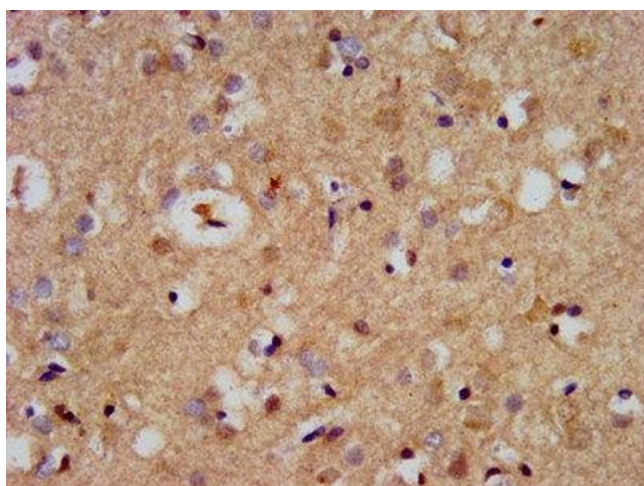
#### Immunofluorescence

**Image 1.** Immunofluorescence staining of A549 cells with ABIN7169072 at 1:166, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



#### Immunohistochemistry

**Image 2.** IHC image of ABIN7169072 diluted at 1:500 and staining in paraffin-embedded human placenta tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



#### Immunohistochemistry

**Image 3.** IHC image of ABIN7169072 diluted at 1:500 and staining in paraffin-embedded human brain tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.