CDC42 polyclonal antibody

Catalog # PAB19100 Size 100 ug

Applications



1 2 3 58-40-29-20-14-8-

Western Blot

Western blot analysis of tissue and whole cell extracts with CDC42 polyclonal antibody (Cat # PAB19100). Lane 1 : rat brain. Lane 2 : MCF-7. Lane 3 : HeLa. Lane 4 : SMMC. Lane 5 : U87.

Western Blot (Recombinant protein)

Western blot analysis of CDC42 recombinant protein with CDC42 polyclonal antibody (Cat # PAB19100). Lane 1 : 10 ng. Lane 2 : 5 ng. Lane 3 : 2.5 ng.

Specification	
Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CDC42.
Immunogen	A synthetic peptide corresponding to internal region of human CDC42.
Host	Rabbit
Reactivity	Bovine, Human, Mouse, Rat
Form	Lyophilized
Purification	Immunoaffinity purification

😵 Abnova

Product Information

lsotype	lgG
Recommend Usage	Western Blot (0.1-0.5 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na $_2$ HPO $_4$ (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimer osal)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20° C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANC E which should be handled by trained staff only.

Applications

Western Blot

Western blot analysis of tissue and whole cell extracts with CDC42 polyclonal antibody (Cat # PAB19100). Lane 1 : rat brain. Lane 2 : MCF-7. Lane 3 : HeLa. Lane 4 : SMMC. Lane 5 : U87.

• Western Blot (Recombinant protein)

Western blot analysis of CDC42 recombinant protein with CDC42 polyclonal antibody (Cat # PAB19100). Lane 1 : 10 ng. Lane 2 : 5 ng. Lane 3 : 2.5 ng.

• Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Gene Info — CDC42		
Entrez GenelD	<u>998</u>	
Gene Name	CDC42	
Gene Alias	CDC42Hs, G25K	
Gene Description	cell division cycle 42 (GTP binding protein, 25kDa)	
Omim ID	<u>116952</u>	
Gene Ontology	Hyperlink	

Copyright © 2023 Abnova Corporation. All Rights Reserved.

😚 Abnova	Product Information
Gene Summary	The protein encoded by this gene is a small GTPase of the Rho-subfamily, which regulates signali ng pathways that control diverse cellular functions including cell morphology, migration, endocytosi s and cell cycle progression. This protein is highly similar to Saccharomyces cerevisiae Cdc 42, a nd is able to complement the yeast cdc42-1 mutant. The product of oncogene Dbl was reported to specifically catalyze the dissociation of GDP from this protein. This protein could regulate actin po lymerization through its direct binding to Neural Wiskott-Aldrich syndrome protein (N-WASP), whi ch subsequently activates Arp2/3 complex. Alternative splicing of this gene results in multiple tran script variants. [provided by RefSeq
Other Designations	GTP-binding protein, 25kD OTTHUMP0000002834 OTTHUMP0000002926 cell division cycle 42 cell division cycle 42 (GTP binding protein, 25kD) cell division cycle 42 (GTP-binding protein, 25kD) dJ224A6.1.1 (cell division cycle 42 (GTP-binding protein, 25kD)) d

Publication Reference

Eya1 protein phosphatase regulates tight junction formation in lung distal epithelium.

El-Hashash AH, Turcatel G, Varma S, Berika M, Al Alam D, Warburton D. Journal of Cell Science 2012 Jun; 125(Pt 17):4036.

Application: WB, Mouse, MLE15 cells

Pathway

- Adherens junction
- Axon guidance
- Chemokine signaling pathway
- Endocytosis
- Epithelial cell signaling in Helicobacter pylori infection
- Fc gamma R-mediated phagocytosis
- Focal adhesion
- GnRH signaling pathway
- Leukocyte transendothelial migration
- MAPK signaling pathway
- <u>Neurotrophin signaling pathway</u>
- Pancreatic cancer

😵 Abnova

Product Information

- Pathogenic Escherichia coli infection EHEC
- Pathways in cancer
- Regulation of actin cytoskeleton
- <u>Renal cell carcinoma</u>
- <u>T cell receptor signaling pathway</u>
- Tight junction
- VEGF signaling pathway

Disease

- Genetic Predisposition to Disease
- Hepatitis B
- HIV Infections
- <u>Multiple Sclerosis</u>
- Parkinson disease