

Datasheet for ABIN533151

anti-CDC42 antibody[Go to Product page](#)**2** Images**1** Publication

Overview

Quantity:	100 µL
Target:	CDC42
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CDC42 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Mouse monoclonal antibody raised against full length recombinant Cdc42.
Immunogen:	Recombinant protein corresponding to human Cdc42.
Clone:	M152
Isotype:	IgG1
Specificity:	The human ShcA sequence used has high homology with similar regions in rat and mouse ShcA.
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	CDC42
---------	-------

Target Details

Alternative Name:	CDC42 (CDC42 Products)
Gene ID:	64465
Pathways:	MAPK Signaling , Microtubule Dynamics , RTK Signaling , WNT Signaling , TCR Signaling , EGFR Signaling Pathway , Regulation of Actin Filament Polymerization , Regulation of Muscle Cell Differentiation , Cell-Cell Junction Organization , Maintenance of Protein Location , Skeletal Muscle Fiber Development , Signaling Events mediated by VEGFR1 and VEGFR2 , EGFR Downregulation , VEGF Signaling

Application Details

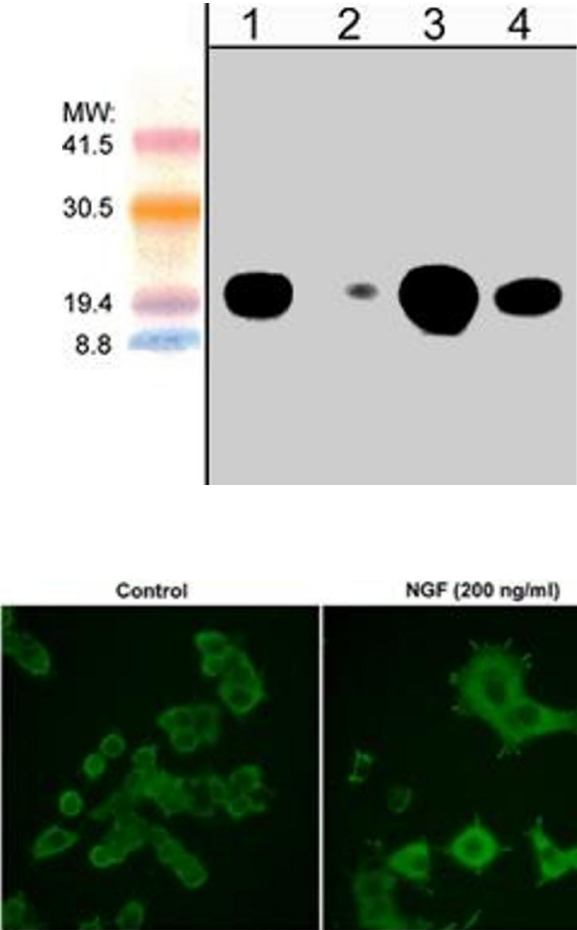
Application Notes:	ELISA (1:2000) Immunocytochemistry (1:50) Western Blot (1:500) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In PBS (50 % glycerol, 1 mg/mL BSA, 0.05 % sodium azide)
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in:	Erickson, Cerione: "Multiple roles for Cdc42 in cell regulation." in: Current opinion in cell biology , Vol. 13, Issue 2, pp. 153-7, (2001) (PubMed).
-------------------	--



Western Blotting

Image 1. Western blot analysis of human Jurkat cells (lanes 1 & 2) and mouse brain (lanes 3 & 4). The blots were probed with Cdc42 monoclonal antibody, clone M152 at 1:125 (lanes 1 & 3) or 1:500 (lanes 2 & 4).

Immunocytochemistry

Image 2. Immunocytochemical labeling in rat PC-12 cells grown for 4 days on poly-D-lysine-coated plates in the presence (200 ng/ml) or absence (Control) of Nerve Growth Factor (NGF). Cdc42 monoclonal antibody, clone M152 was used at 1:50 dilution followed by labeling with donkey anti-mouse Cy2.