Product Datasheet

CDC42EP1 Rabbit mAb

Catalog No: #49211

Package Size: #49211-1 50ul #49211-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

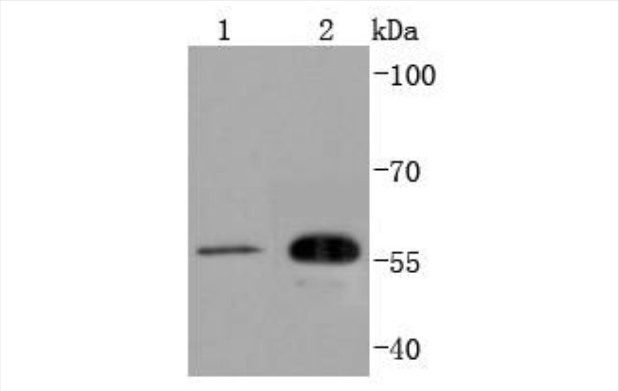
Description

Product Name	CDC42EP1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SD08-54
Purification	ProA affinity purified
Applications	WB
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	55 kDa bone marrow stromal/endothelial cell protein antibody Binder of Rho GTPases 5 antibody Bone marrow stromal/endothelial cell protein, 55-KD antibody BORG 5 antibody BORG5 antibody BORG5_HUMAN antibody CDC42 effector protein (Rho GTPase binding) 1 antibody Cdc42 effector protein 1 antibody Cdc42ep1 antibody CEP 1 antibody CEP1 antibody MGC15316 antibody MSE 55 antibody MSE55 antibody OTTHUMP00000028709 antibody Serum constituent protein antibody Serum protein MSE55 antibody
Accession No.	Swiss-Prot#:Q00587
Calculated MW	60 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:1,000-1:2,000

Images



Western blot analysis of CDC42EP1 on different lysates using anti-CDC42EP1 antibody at 1/1,000 dilution. Positive control:
Lane 1: HUVEC Lane 2: Hela

Background

MSE55 also known as Borg5 or binder of Rho GTPases 5 is a Cdc42 effector protein that induces long cellular extensions in fibroblasts. MSE55 also increases and mediates actin cytoskeleton reorganization at the plasma membrane. MSE55 is a nonkinase CRIB (Cdc42/Rac interactive-binding)

domain-containing molecule. An intact CRIB domain is required for the GTP-dependent binding of MSE55 to Cdc42. MSE55 is expressed in a tissue-specific manner in endothelial and bone marrow stromal cells. MSE55 may have a functional role in hematopoiesis or as a negative regulator of Rho GTPase signaling.

References

1. Guo A., et al. 2014. Immunoaffinity enrichment and mass spectrometry analysis of protein methylation. Mol. Cell. Proteomics 13:372-387. 2. Bian Y., et al. 2014. An enzyme assisted RP-RPLC approach for in-depth analysis of human liver phosphoproteome. J. Proteomics 96:253-262.