

Anti-CDC42 Rabbit Monoclonal Antibody

Catalog Number: M00119

About CDC42

Phosphoinositide-3-kinase (PI3K) that phosphorylates PtdIns (Phosphatidylinositol), PtdIns4P (Phosphatidylinositol 4-phosphate) and PtdIns (4,5) P2 (Phosphatidylinositol 4,5-bisphosphate) to generate phosphatidylinositol 3,4,5-trisphosphate (PIP3) . PIP3 plays a key role by recruiting PH domain-containing proteins to the membrane, including AKT1 and PDPK1, activating signaling cascades involved in cell growth, survival, proliferation, motility and morphology. Participates in cellular signaling in response to various growth factors.

Overview

Product Name	Anti-CDC42 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CDC42 Rabbit Monoclonal Antibody catalog # M00119. Tested in WB, IHC, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IP, IHC, WB
Clonality	Monoclonal IAE-3
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P60953

Technical Details

Immunogen	A synthesized peptide derived from human CDC42
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

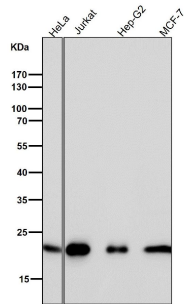
WB 1:1000-1:2000

IHC 1:50-1:200

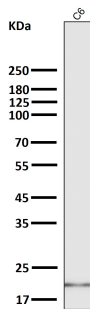
IP 1:30

FC 1:50

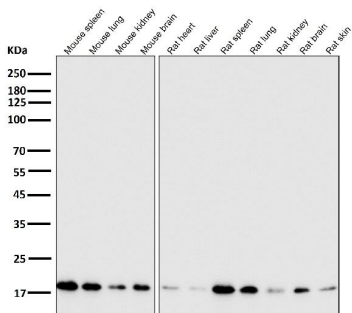
Anti-CDC42 Rabbit Monoclonal Antibody (M00119) Images



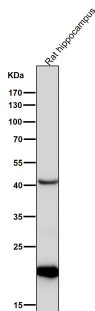
All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:2W dilution for 1 hour at room temperature.

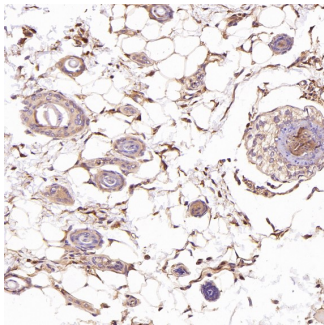
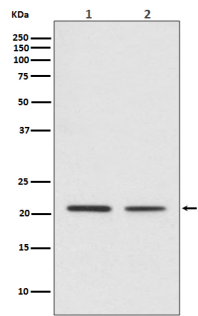


All lanes use the Antibody at 1:2W dilution for 1 hour at room temperature.

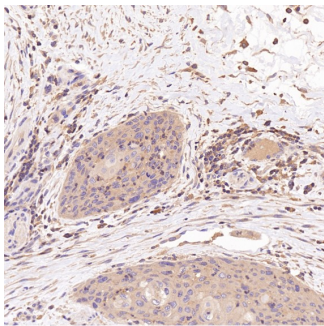


All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.

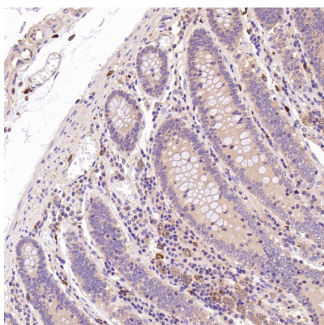
Western blot analysis of CDC42 expression in (1) Jurkat cell lysate; (2) Mouse spleen lysate.



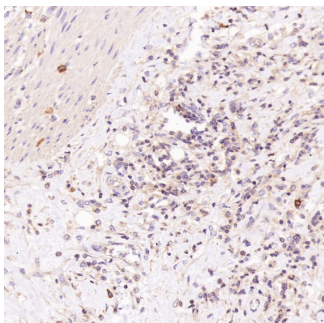
Immunohistochemical analysis of paraffin-embedded Rat skin, using the Antibody at 1:200 dilution.



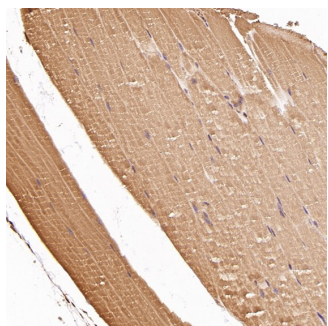
Immunohistochemical analysis of paraffin-embedded Human esophageal carcinoma, using the Antibody at 1:100 dilution.



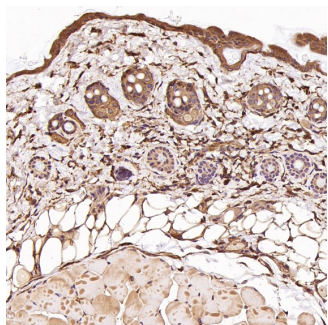
Immunohistochemical analysis of paraffin-embedded Human colon, using the Antibody at 1:100 dilution.



Immunohistochemical analysis of paraffin-embedded Human Hodgkin's Lymphoma, using the Antibody at 1:400 dilution.



Immunohistochemical analysis of paraffin-embedded Mouse skeletal muscle - gastrocnemius , using the Antibody at 1:200 dilution.



Immunohistochemical analysis of paraffin-embedded Mouse skin, using the Antibody at 1:200 dilution.

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