RHOA-GTP2

Anti-RhoAGTP Mouse Monoclonal Antibody

Cat. #: 26904

Size: 30 µL

Gene Symbol: RHOA

Description: Anti-RhoA-GTP Mouse Monoclonal Antibody

Background: Small GTPases are a super-family of cellular signaling regulators. RhoA belongs to the Rho sub-family of GTPases. Rho proteins play critical roles in many actin cytoskeleton- dependent processes including platelet aggregation, cell motility, contraction, and cytokinesis. It regulates the formation of stress fibers and focal adhesions in fibroblasts and Ca^{2+} sensitivity of smooth muscle contraction.

Immunogen: Recombinant full length protein of active RhoA

Applications: IP, IHC and IF **(Not applicable for WB since SDS denatures RhoA GTPase)**

Published Applications: IF, IHC; Click for Details - Part 01 Part 02

Recommended Dilutions:
IP: 1 µg for 1~2 mg total cellular proteins
IHC, IF: 1:50-1:250

Concentration: 1 mg/ml

Host Species: Mouse

Format: Liquid

Clonality: Monoclonal

Isotype: IgG2b

Purity: Purified from ascites

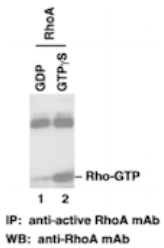
Preservative: No

Constituents: PBS (without Mg^{2+} and Ca^{2+}), pH 7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: Anti-RhoA monoclonal antibody recognizes active RhoA from vertebrates.

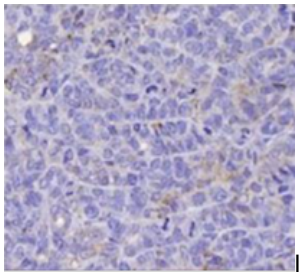
Storage Conditions: Store at -20°C. Avoid repeated freezing and thawing

Immunoprecipitation/Western blot:

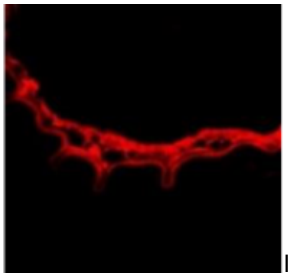


IP/WB Analysis of Active RhoA Protein.
Purified recombinant RhoA proteins were loaded with GDP (lane 1) or GTPγS (lane 2). These proteins were immunoprecipitated with anti-RhoA-GTP monoclonal antibody (Cat. # 26904). After SDS/PAGE, the membrane filter was probed with anti-RhoA mouse monoclonal antibody (Cat. # 26007).

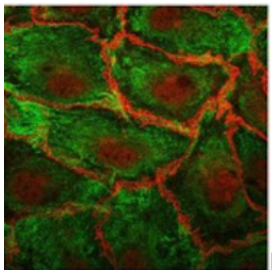
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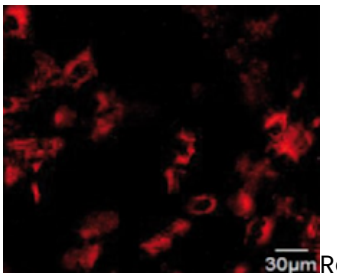
IHC staining for Ki67, Active RhoA -GTP, YAP1 and Myc in subcutaneous tumour sections



Immunofluorescence analysis of the attrey sections was performaned using RhoAGTP mAb as shown in red staining



Immunofluorescence assay of HLMECsi with RhoAGTP mAb, shown as green staining



Representative time-lapse fluorescence microscopy images of h-iNPCE cells during cell migration with RhoA-GTP (red)

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