

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

#### **RHOA-GTP**

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<sup>2+</sup> 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 <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150 mM NaCl, 50%

glycerol

Species Reactivity: Anti-RhoA monoclonal antibody recognizes active RhoA

from vertebrates.

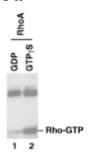
Storage Conditions: Store at -20°C. Avoid repeated freezing and thawing



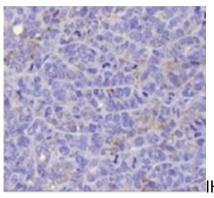
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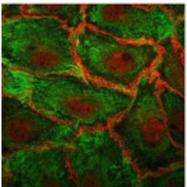
## Immunoprecipitation/Western blot:



IP: anti-active RhoA mAb WB: anti-RhoA mAb



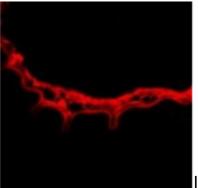
staining for Ki67, Active RhoA -GTP, YAP1 and Myc in subcutaneous tumour sections



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

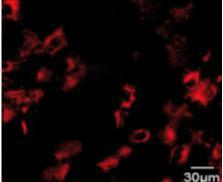
# IP/WB Analysis of Active RhoA Protein.

Purified recombinant RhoA proteins were loaded with GDP (lane 1) or GTPyS (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).



Immunofluo

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



30µm Represen

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