

CDC42-GTP

Cdc42GTP 小鼠单克隆抗体

货号: 26905

规格: 30 μ L

基因符号: CDC42

描述: Cdc42-GTP Monoclonal Antibody

背景: Small GTPases are a super-family of cellular signaling regulators. Cdc42 GTPase belongs to the Rho sub-family of GTPases that regulate cell motility, cell division, and gene transcription. GTP binding increases the activity of Cdc42, and the hydrolysis of GTP to GDP renders it inactive. GTP hydrolysis is aided by GTPase activating proteins (GAPs), while exchange of GDP for GTP is facilitated by guanine nucleotide exchange factors (GEFs).

免疫原: Recombinant full length protein of active Cdc42

经过测试的应用: IP, IHC and IF (**Not applicable for WB since SDS denatures the Cdc42GTP**)

引用文献的应用: **IF, IHC; Click for Details -** [Part 01](#) [Part 02](#)

推荐稀释度:

IP: 1 μ g for 1~2 mg total cellular proteins

IHC, IF: 1:50-1:250

浓度: 1 mg/ml

种属反应性: Mouse

形式: Liquid

克隆性: Monoclonal

亚型: IgG1

纯化: Purified from ascites

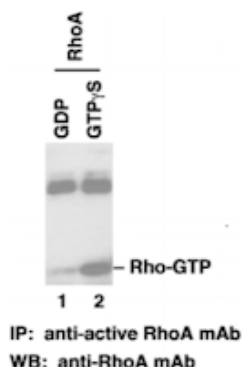
Preservative: No

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

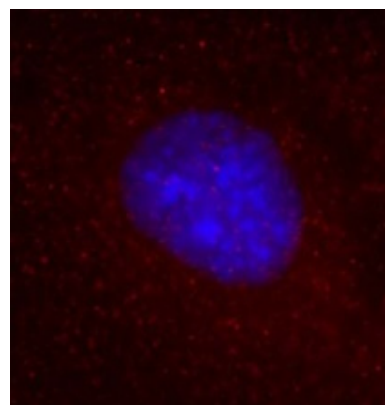
种属反应性: Cdc42-GTP monoclonal antibody recognizes active Cdc42 from vertebrates.

储存条件: Store at $-20^{\circ}C$. Avoid repeated freezing and thawing

Immunoprecipitation/Western blot:

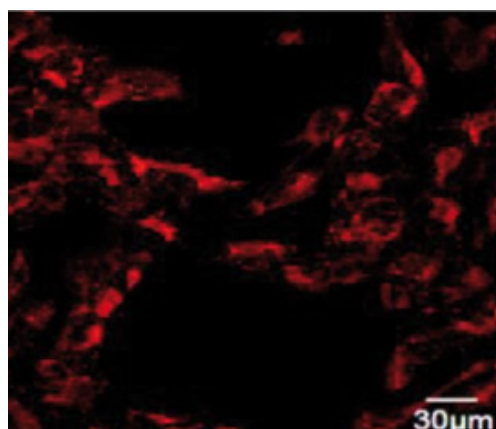


Purified recombinant Cdc42 proteins were loaded with GDP (lane 1) or GTP γ S (lane 2). These proteins were immunoprecipitated with Cdc42-GTP mouse monoclonal antibody (货号 26905). After SDS/PAGE, the membrane filter was probed with Cdc42 mouse monoclonal antibody (货号 26008).

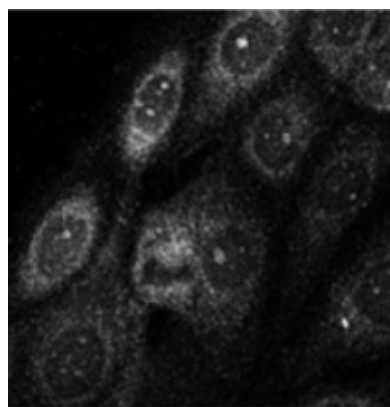


Immunofluore

scint labeling of Cdc42-GTP in MS1 mouse endothelial cells. The MS1 cells cultured on glass coverslips (Fisher) in DMEM containing 5% FBS were fixed with 4% paraformaldehyde for 10 minutes at RT (room temperature) and permeabilized in PBSN (PBS+0.1%NP40) for 15 minutes at RT. The cells were stained with primary antibody (Cdc42-GTP) at 1:25 dilution in Invitrogen's CAS-BLOCK (00-8120) reagent at RT for 1 hour. After brief washing in PBSN (3x5min), a secondary Alexa555 conjugated goat anti mouse antibody (Invitrogen A21424) was applied in 1:200 in CAS-BLOCK at RT for 1 hour. The coverslips were then washed in PBSN (3x5min) and mounted using vectashield's hard set mounting medium (H-1500), and examined using a Zeiss inverted fluorescence microscope.



Immunofluorescence staining of h-iNPCE cells with Cdc42GTP mAbs shown as red



Immunofluore

scence staining of HCE cells with Cdc42GTP mAbs

