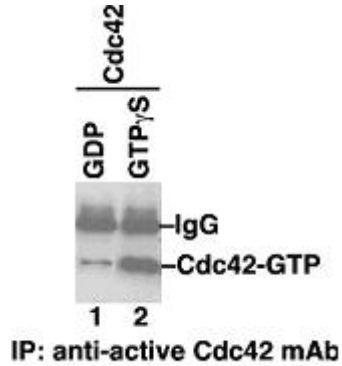
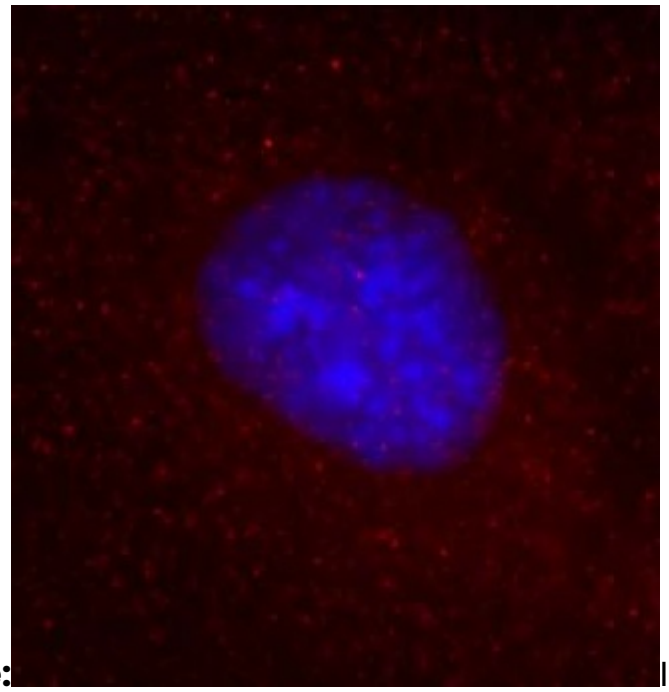
CDC42-GTP

产品名称: Cdc42-GTP-GTP 小鼠单抗
货号: 26905
规格: 30 µL
基因符号: CDC42
描述: Cdc42-GTP 单抗
背景： Small GTPases are a super-family of cellular signaling regulators. Cdc42 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 WB denatures the GTPase)
推荐稀释比: IP: 1 µg for 1~2 mg total cellular proteinsIHC, IF: 1:50-1:250
Concentration: 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°C. Avoid repeated freezing and thawing



IP-蛋白质印迹: IP/WB analysis of active Cdc42 protein. Purified recombinant Cdc42 proteins were loaded with GDP (lane 1) or GTPγS (lane 2). These proteins were immunoprecipitated with anti-Cdc42-GTP 小鼠单抗 (货号: 26905). After SDS/PAGE, the membrane filter was probed with anti-Cdc42 小鼠单抗 (货号: 26008).



Immunofluorescence: Immunofluorescent 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 vectorsheld's hard set mounting medium (H-1500), and examined using a Zeiss inverted fluorescence microscope.