GA_{13}-GTP

Anti-$G\alpha_{13}$GTP Mouse Monoclonal Antibody

Cat. #: 26902

Size: 30 µL

Gene Symbol: Gna13

Description: Anti-$G\alpha_{13}$-GTP Mouse Monoclonal Antibody

Background: Heterotrimeric G proteins are essential cellular signal transducers. $G\alpha_{13}$ is one of the G proteins that could mediate cell migration and angiogenesis. Other biochemical and physiological functions of $G\alpha_{13}$ are being explored.

Immunogen: Recombinant full length active $G\alpha_{13}$ protein

Applications: IP, IHC and IF (**Not applicable for WB since SDS denatures $G\alpha_{13}$ GTPase**)

Published Applications: **IF, IHC and IP - Click for Details**

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

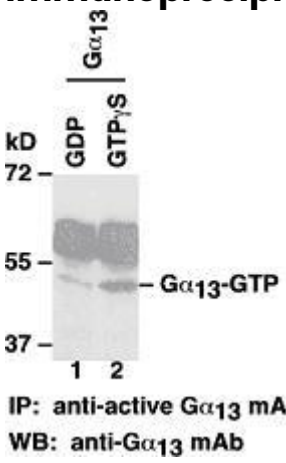
Preservative: No

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

Species Reactivity: Anti-active $G\alpha_{13}$ monoclonal antibody recognizes active $G\alpha_{13}$ of vertebrates.

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

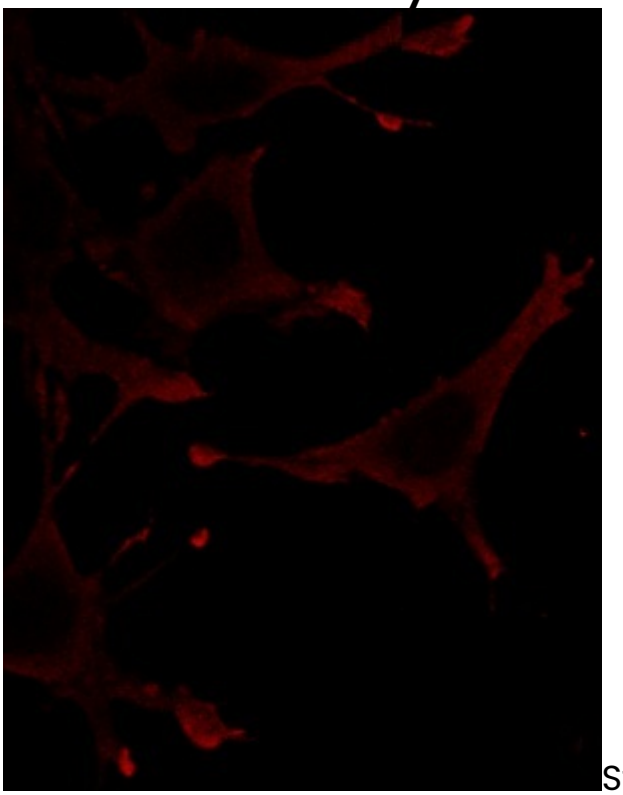
Immunoprecipitation/Western blot:



IP/WB analysis of active $G\alpha_{13}$ proteins.

Purified $G\alpha_{13}$ proteins were treated with GDP (lane 1) or GTPGTPγS (lane 2). After immunoprecipitation with anti-active $G\alpha_{13}$-GTP mouse monoclonal antibody (Cat. # 26902), these proteins were separated by SDS/PAGE and western blotted with anti- $G\alpha_{13}$ mouse monoclonal antibody (Cat. # 26004).

Immunohistochemistry:



Staining of MEF cells (treated with PDGF) with anti- $G\alpha_{13}$-GTP monoclonal antibody showing the localization of $G\alpha_{13}$-GTP in the leading edge of migrating cells.