

G α_{13}

Catalog Number: 21005

Gene Symbol: Gna13

Description: Anti-G α_{13} Rabbit Polyclonal Antibody

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

Immunogen: Recombinant full length G α_{13} protein

Tested applications: ELISA, WB, IHC

Recommended dilutions:

ELISA 1:100-1:5000

WB 1:100-1:2000

IHC 1:50-1:100

Concentration: 1 mg/ml

Host: Rabbit

Clonality: Polyclonal

Purity: Purified from serum

Format: Liquid

Storage buffer:

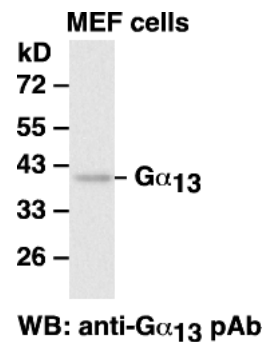
Preservative: no

Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: G α_{13} polyclonal antibody recognizes G α_{13} of vertebrates.

Storage Conditions: Store at -20°C. Avoid freeze / thaw cycles

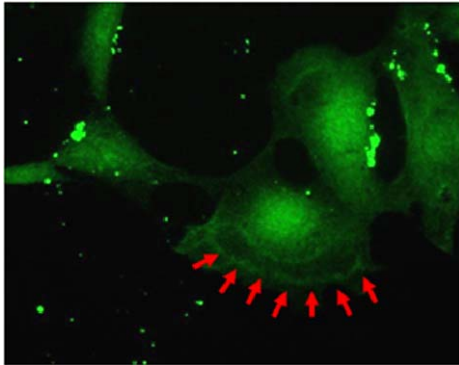
Western blot:



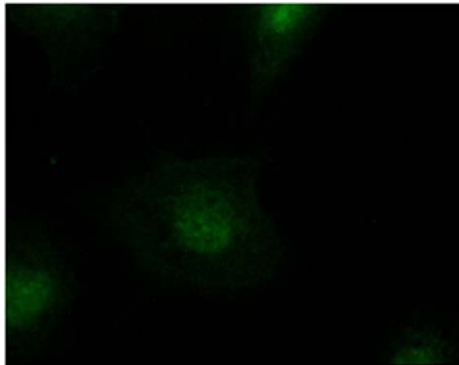
Western blot analysis of G α_{13} proteins. MEF whole-cell lysates were used for western blot with anti- G α_{13} polyclonal antibody (cat # 21005).

Immunofluorescence:

WT MEF Cells



Gα₁₃^{-/-} Cells



Immunofluorescence of mouse embryonic fibroblast (MEF) cells. Wild-type MEF cells (top panel) and Gα₁₃ double knock-out cells (Gα₁₃^{-/-}, bottom panel) were fixed and stained with anti-Gα₁₃ polyclonal antibody (Cat. # 21005). Arrows indicate the dorsal ruffle structure of one cell.