

Anti-GNG13 Antibody

Catalog # AP53849

Product Information

Application	WB, IF/IC
Primary Accession	Q9P2W3
Reactivity	Human, Mouse, Rat, Bovine, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	7949

Additional Information

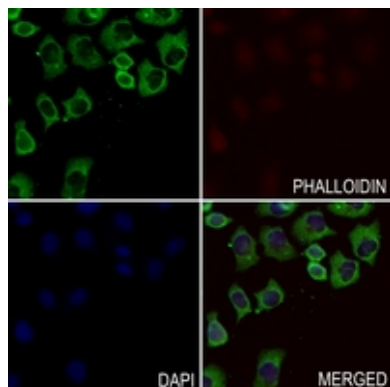
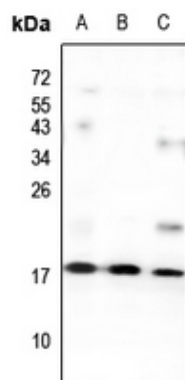
Gene ID	51764
Other Names	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-13
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human GNG13. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	GNG13
Function	Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction.
Cellular Location	Cell membrane; Lipid-anchor; Cytoplasmic side

Images

Western blot analysis of GNG13 expression in DLD (A), LOVO (B), MCF7 (C) whole cell lysates. (Predicted band size: 7 kD; Observed band size: 18 kD)



Immunofluorescent analysis of GNG13 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.