
Product Name: GNA13 Rabbit Monoclonal Antibody**Catalog #: AMRe02013**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.64mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100
Molecular Weight	Calculated MW: 44 kDa; Observed MW: 44 kDa

Antigen Information

Gene Name	GNA13
Alternative Names	guanine nucleotide binding protein (G protein); alpha 13; G13
Gene ID	10672
SwissProt ID	Q14344
Immunogen	A synthetic peptide of human G protein alpha 13

Background

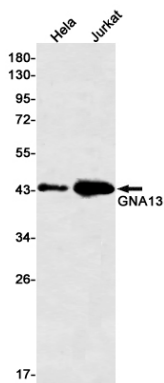
Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems (PubMed:15240885, PubMed:16787920, PubMed:16705036, PubMed:27084452). Activates effector molecule

RhoA by binding and activating RhoGEFs (ARHGEF1/p115RhoGEF, ARHGEF11/PDZ-RhoGEF and ARHGEF12/LARG) (PubMed:15240885, PubMed:12515866). GNA13-dependent Rho signaling subsequently regulates transcription factor AP-1 (activating protein-1) . Promotes tumor cell invasion and metastasis by activating RhoA/ROCK signaling pathway (PubMed:16787920, PubMed:16705036, PubMed:27084452). Inhibits CDH1-mediated cell adhesion in process independent from Rho activation (PubMed:11976333).

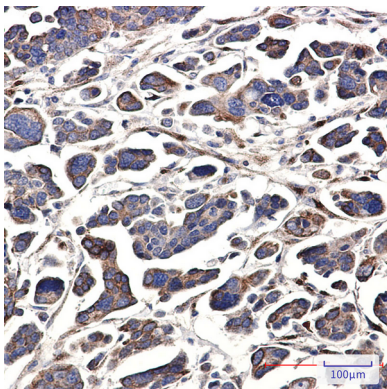
Research Area

Signal Transduction

Image Data



Western blot analysis of GNA13 [KO Validated] in HeLa, Jurkat lysates using GNA13 antibody.



Immunohistochemistry analysis of paraffin-embedded Human Cholangiocarcinoma using G protein alpha 13 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.