

GNA13 Monoclonal Antibody | anti-GNA13 antibody

GNA13 Rabbit mAb

CATALOG # AAA314365	HOST Recombinant Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

GNA13; Monoclonal Antibody; GNA13 Rabbit mAb; guanine nucleotide binding protein (G protein); alpha 13; G13; anti-GNA13 antibody

PRODUCT SPECIFICATIONS

Host	Recombinant Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	S08-4F2
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration	0.3mg/ml (varies by lot)
Applicable Applications for anti-GNA13 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human G protein alpha 13
Conjugation	Unconjugated
Modification	Unmodification
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of G protein alpha 13 in paraffin-embedded Human Cholangiocarcinoma using G protein alpha 13 Rabbit mAb at dilution 1/50



WB (Western Blot)

Western blot detection of GNA13 [KO Validated] in Hela, Jurkat cell lysates using GNA13 Rabbit mAb [KO Validated](1:500 diluted). Predicted band size: 44kDa. Observed band size: 44kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-GNA13 antibody	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).
Product Categories/Family for anti-GNA13 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	540344574
NCBI GeneID	10672
NCBI Accession #	NP_001269354.1
NCBI GenBank Nucleotide #	NM_001282425.1
UniProt Accession #	Q14344; Q8TD70; B2R977; B7Z7R0; F5H1G8
Molecular Weight	33,287 Da
NCBI Official Full Name	guanine nucleotide-binding protein subunit alpha-13 isoform 2
NCBI Official Synonym Full Names	guanine nucleotide binding protein (G protein), alpha 13
NCBI Official Symbol	GNA13
NCBI Official Synonym Symbols	G13
NCBI Protein Information	guanine nucleotide-binding protein subunit alpha-13; G-protein subunit alpha-13; g alpha-13
UniProt Protein Name	Guanine nucleotide-binding protein subunit alpha-13
UniProt Gene Name	GNA13
UniProt Synonym Gene Names	G alpha-13; G-protein subunit alpha-13
UniProt Entry Name	GNA13_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/gna13-antibody-clone-s08-4f2-immunohistochemistry-western-blot-elisa/314365>