

Product datasheet for **TA349321S**

G protein alpha 13 (GNA13) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: A172 and 293T cells, mouse kidney tissue, human testis and brain malignant glioma tissue IHC: 50-200 Positive control: Human tonsil Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human GNA13
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	44 kDa
Gene Name:	G protein subunit alpha 13
Database Link:	NP_006563 Entrez Gene 14674 MouseEntrez Gene 303634 RatEntrez Gene 10672 Human Q14344



[View online »](#)

Background:

Guanine nucleotide-binding protein subunit alpha-13 is a protein that in humans is encoded by the GNA13 gene. Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. G proteins are composed of 3 units; alpha, beta and gamma. The alpha chain contains the guanine nucleotide binding site. Interacts with UBXD5. Interacts with HAX1. Interacts (when active) with PPP5C (via TPR repeats); activates PPP5C phosphatase activity and translocates PPP5C to the cell membrane.

Synonyms:

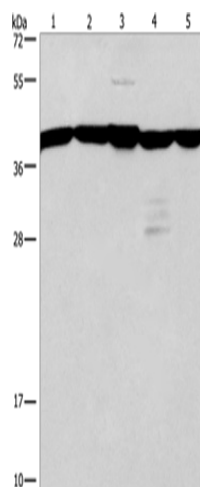
G13

Protein Families:

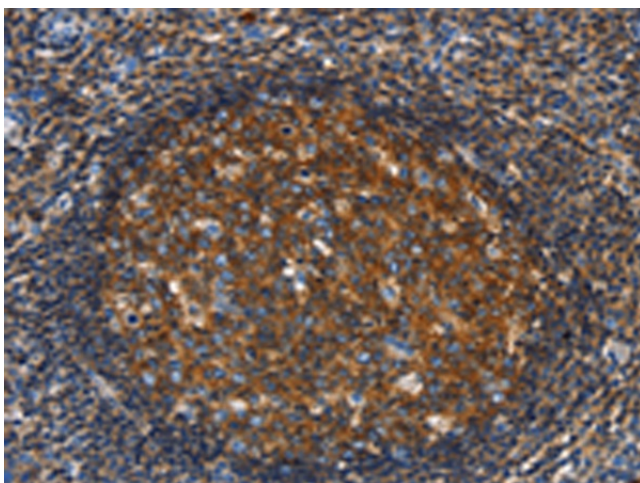
Druggable Genome

Protein Pathways:

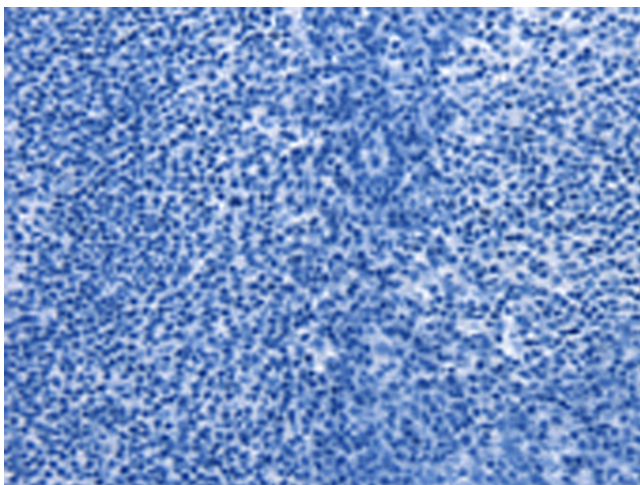
Long-term depression, Regulation of actin cytoskeleton, Vascular smooth muscle contraction

Product images:


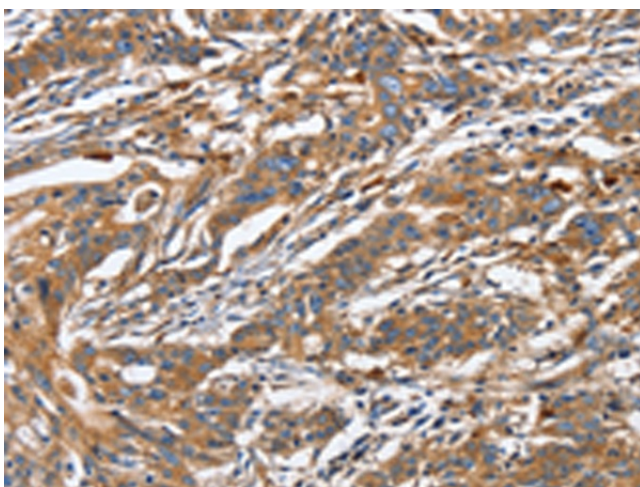
Gel: 15%SDS-PAGE
 Lysate: 40 µg
 Lane 1-5: A172 cells
 293T cells
 mouse kidney tissue
 human testis tissue
 Human brain malignant glioma tissue
 Primary antibody: [TA349321] (GNA13 Antibody) at dilution 1/600
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
 Exposure time: 10 seconds



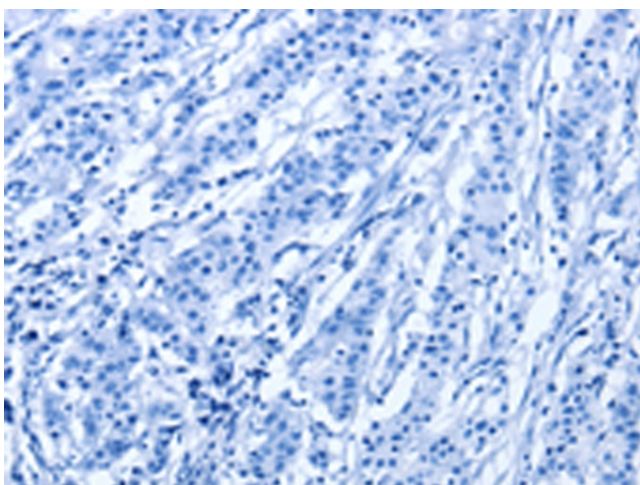
Immunohistochemistry of paraffin-embedded Human tonsil tissue using [TA349321] (GNA13 Antibody) at dilution 1/30 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using [TA349321] (GNA13 Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA349321] (GNA13 Antibody) at dilution 1/30 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA349321] (GNA13 Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: ×200)