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Product datasheet for TA349321

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% NaN3, 40% Glyceroln
Concentration:	lot specific
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

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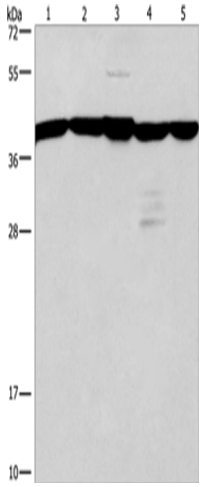
Background: Guanine nucleotide-binding protein subunit alpha-13 is a protein that in humans is encoded by the GNA13gene. Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. G proteins are composed of 3 units; alpha, beta 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

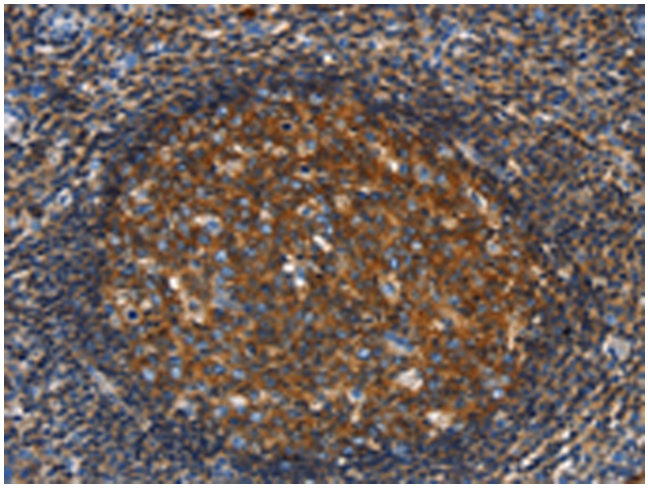
Protein Families: Druggable Genome

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

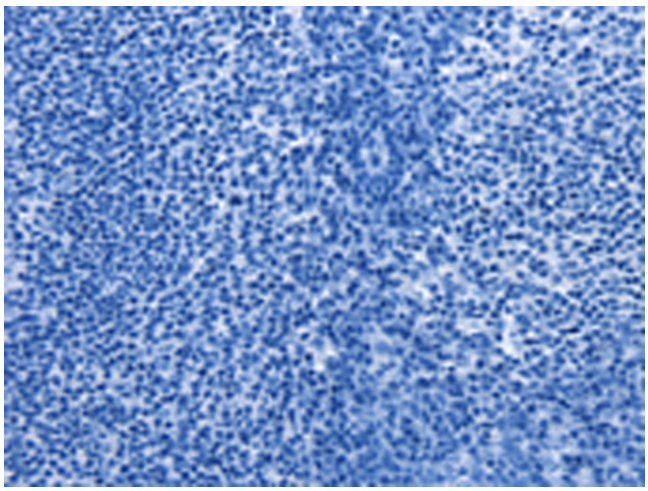
Product images:



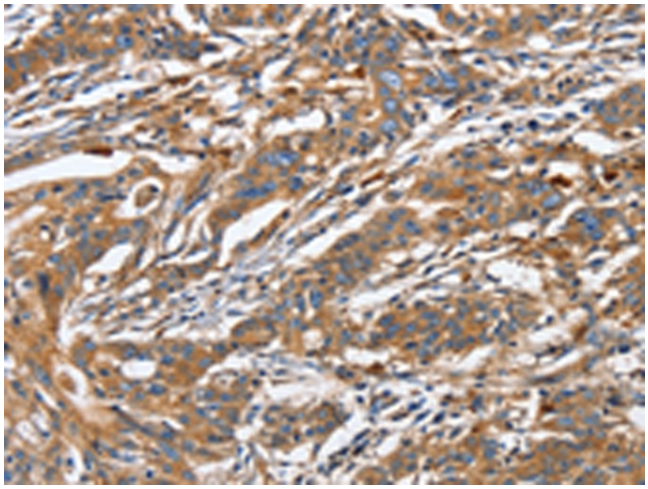
Gel: 15%SDS-PAGE
Lysate: 40 µg
Lane 1-5: A172 cells
293T cells
mouse kidney tissue
human testis tissue
Human brain malignant glioma tissue
Primary antibody: TA349321 (GNA13 Antibody) at dilution 1/600
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 10 seconds



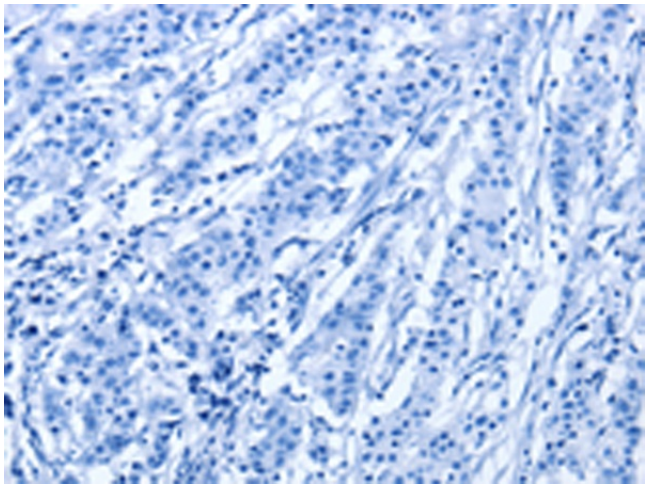
Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA349321 (GNA13 Antibody) at dilution 1/30 (Original magnification: ×200)



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)