

Product datasheet for **TA321433S**

GNAZ Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Human cerebrum tissue lysate IHC: 25-50 Positive control: Human colorectal cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 4-18 amino acids of Human guanine nucleotide binding protein (G protein), alpha z polypeptide
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% 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:	41 kDa
Gene Name:	G protein subunit alpha z
Database Link:	NP_002064 Entrez Gene 14687 Mouse Entrez Gene 25740 Rat Entrez Gene 2781 Human P19086



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Background:

Guanine nucleotide-binding protein G(z) subunit alpha is a protein that in humans is encoded by the GNAZ gene. The protein encoded by this gene is a member of a G protein subfamily that mediates signal transduction in pertussis toxin-insensitive systems. This encoded protein may play a role in maintaining the ionic balance of perilymphatic and endolymphatic cochlear fluids. GNAZ has been shown to interact with EYA2; RGS20 and RGS19.

Synonyms:

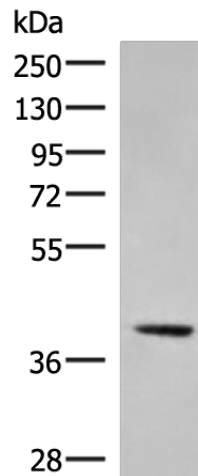
alpha z polypeptide; guanine nucleotide binding protein; guanine nucleotide binding protein (G protein); transducin alpha

Protein Families:

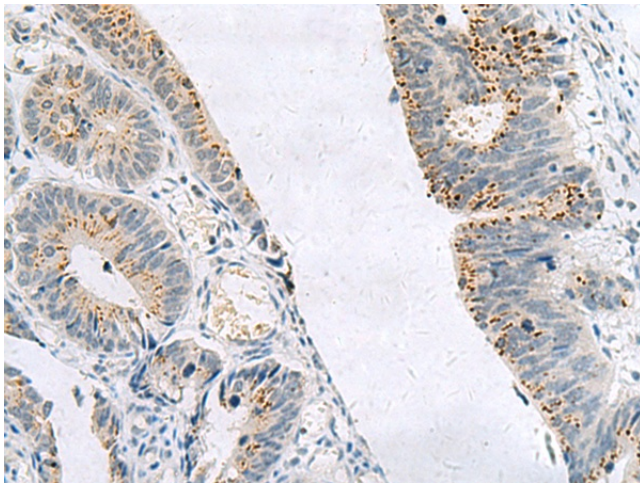
Druggable Genome

Protein Pathways:

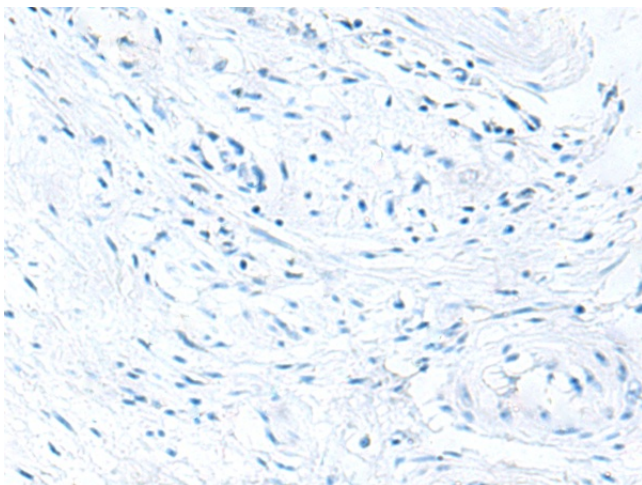
Long-term depression

Product images:

Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane: Human cerebrum tissue lysate
Primary antibody: [TA321433] (GNAZ Antibody) at dilution 1/300
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution
Exposure time: 1 minute



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA321433] (GNAZ Antibody) at dilution 1/25 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA321433] (GNAZ Antibody) at dilution 1/25, treated with synthetic peptide. (Original magnification: $\times 200$)