

## Product datasheet for **TA321431S**

### GNAZ Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human fetal brain and brain malignant glioma, mouse brain tissue IHC: 25-100 Positive control: Human brain Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to C terminal 250 amino acids of human guanine nucleotide binding protein (G protein), alpha z polypeptide
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 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:	<a href="#">NP_002064</a> <a href="#">Entrez Gene 14687 Mouse</a> <a href="#">Entrez Gene 25740 Rat</a> <a href="#">Entrez Gene 2781 Human</a> <a href="#">P19086</a>
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.



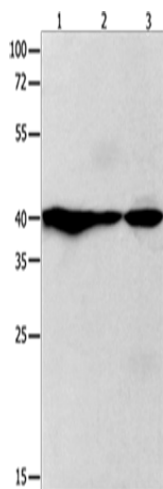
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**Synonyms:** alpha z polypeptide; guanine nucleotide binding protein; guanine nucleotide binding protein (G protein); transducin alpha

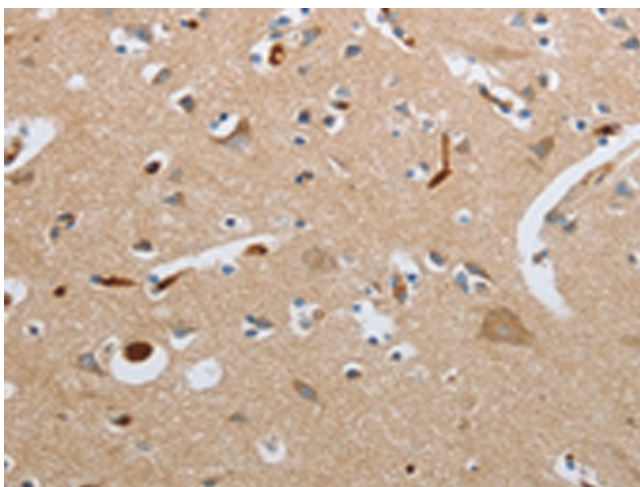
**Protein Families:** Druggable Genome

**Protein Pathways:** Long-term depression

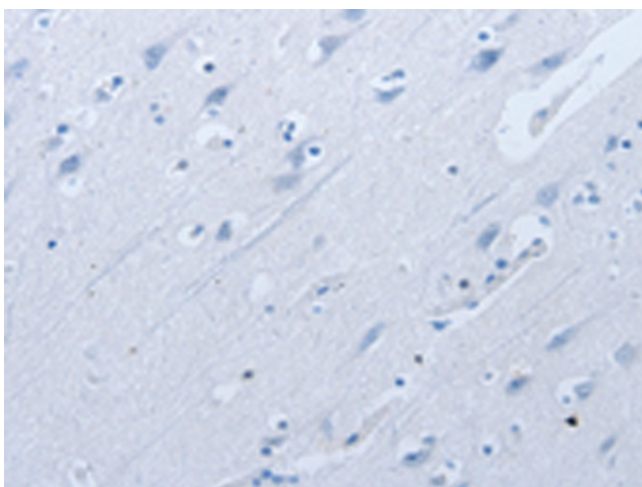
**Product images:**



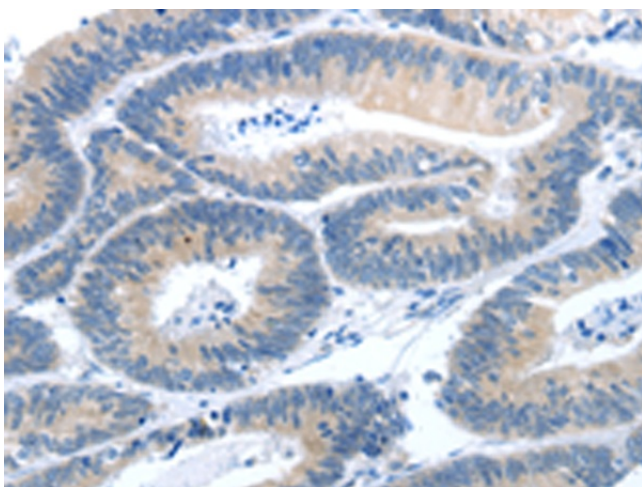
Gel: 10%SDS-PAGE  
 Lysate: 40 µg  
 Lane 1-3: Human fetal brain tissue  
 Human brain malignant glioma tissue  
 mouse brain tissue  
 Primary antibody: [TA321431] (GNAZ Antibody) at dilution 1/400  
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
 Exposure time: 30 seconds



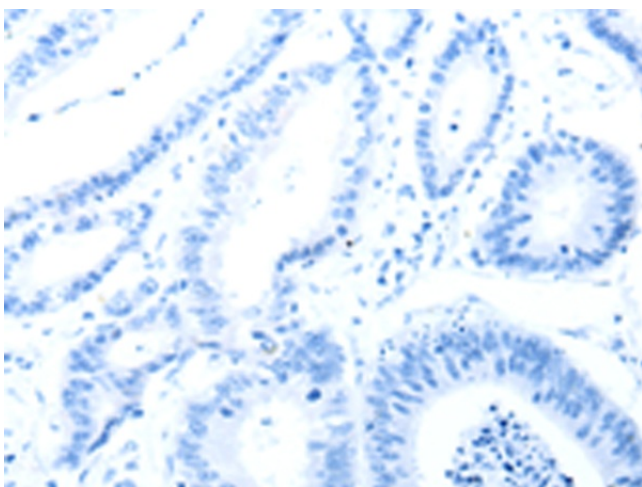
Immunohistochemistry of paraffin-embedded Human brain tissue using [TA321431] (GNAZ Antibody) at dilution 1/25 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using [TA321431] (GNAZ Antibody) at dilution 1/25, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA321431] (GNAZ Antibody) at dilution 1/25 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA321431] (GNAZ Antibody) at dilution 1/25, treated with fusion protein. (Original magnification:  $\times 200$ )