

## Product datasheet for **TA811907S**

### **G protein alpha inhibitor 1 (GNAI1) Mouse Monoclonal Antibody [Clone ID: OTI2D1]**

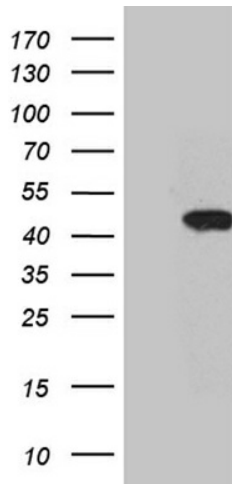
#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	OTI2D1
Applications:	WB
Recommended Dilution:	WB 1:500
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-354 of human GNAI1 (NP_002060) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	40.2 kDa
Gene Name:	G protein subunit alpha i1
Database Link:	<a href="#">NP_002060</a> <a href="#">Entrez Gene 14677 Mouse</a> <a href="#">Entrez Gene 25686 Rat</a> <a href="#">Entrez Gene 2770 Human</a> <a href="#">P63096</a>



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<b>Background:</b>	Guanine nucleotide binding proteins are heterotrimeric signal-transducing molecules consisting of alpha, beta, and gamma subunits. The alpha subunit binds guanine nucleotide, can hydrolyze GTP, and can interact with other proteins. The protein encoded by this gene represents the alpha subunit of an inhibitory complex. The encoded protein is part of a complex that responds to beta-adrenergic signals by inhibiting adenylate cyclase. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]
<b>Synonyms:</b>	Gi
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Axon guidance, Chemokine signaling pathway, Gap junction, Leukocyte transendothelial migration, Long-term depression, Melanogenesis, Progesterone-mediated oocyte maturation, Tight junction

**Product images:**

HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY GNAI1 (Cat# [RC205289], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GNAI1 (Cat# [TA811907]). Positive lysates [LY419561] (100ug) and [LC419561] (20ug) can be purchased separately from OriGene.