

## Product datasheet for **TA804188BM**

### GN7 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI3G1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3G1
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 2-65 of human GNG7(NP_443079) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	HRP
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	7.3 kDa
Gene Name:	G protein subunit gamma 7
Database Link:	<a href="#">NP_443079</a> <a href="#">Entrez Gene 2788 Human</a> <a href="#">O60262</a>



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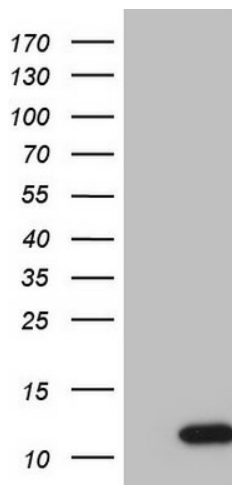
**Background:** Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction. Plays a role in the regulation of adenylyl cyclase signaling in certain regions of the brain. Plays a role in the formation or stabilization of a G protein heterotrimer (G(olf) subunit alpha-beta-gamma-7) that is required for adenylyl cyclase activity in the striatum. [UniProtKB/Swiss-Prot Function]

**Synonyms:** FLJ00058

**Protein Families:** Druggable Genome

**Protein Pathways:** Chemokine signaling pathway

**Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY GNG7 (Cat# [RC208768], 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-GNG7 (1:2000) (Cat# [TA804188]). Positive lysates [LY409457] (100ug) and [LC409457] (20ug) can be purchased separately from OriGene.