

## Product datasheet for TA812023M

### GNA14 Mouse Monoclonal Antibody [Clone ID: OTI3E8]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3E8
Applications:	IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:500
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 31-348 of human GNA14 (NP_004288) 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:	41.4 kDa
Gene Name:	G protein subunit alpha 14
Database Link:	<a href="#">NP_004288</a> <a href="#">Entrez Gene 14675 Mouse</a> <a href="#">Entrez Gene 309242 Rat</a> <a href="#">Entrez Gene 9630 Human</a> <a href="#">O95837</a>
Background:	This gene encodes a member of the guanine nucleotide-binding, or G protein family. G proteins are heterotrimers consisting of alpha, beta and gamma subunits. The encoded protein is a member of the alpha family of G proteins, more specifically the alpha q subfamily of G proteins. The encoded protein may play a role in pertussis-toxin resistant activation of phospholipase C-beta and its downstream effectors. [provided by RefSeq, Feb 2009]

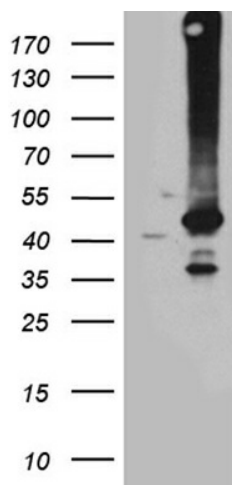

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**Synonyms:** alpha 14; G alpha 14; guanine nucleotide-binding protein 14; guanine nucleotide binding protein (G protein); OTTHUMP00000021515

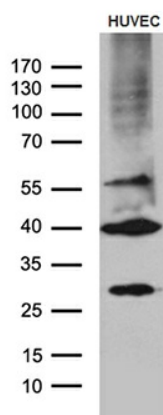
**Protein Families:** Druggable Genome

**Protein Pathways:** Calcium signaling pathway

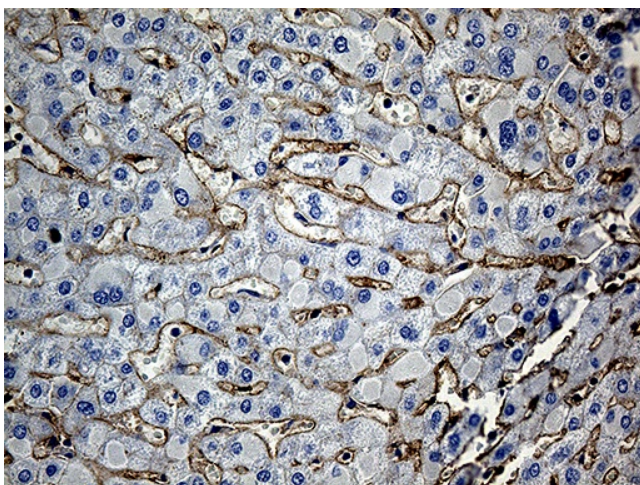
### Product images:



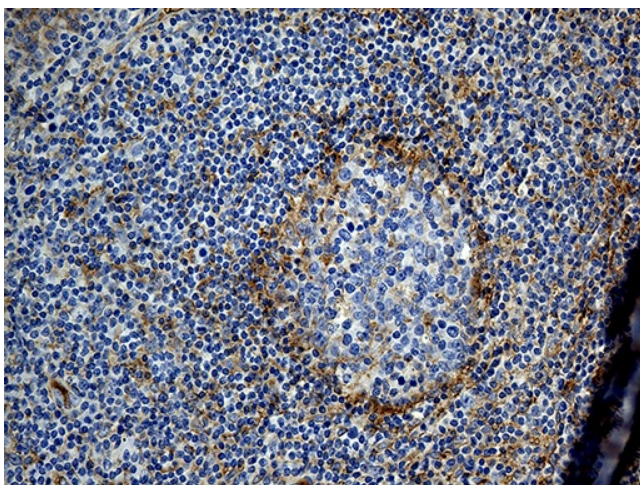
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY GNA14 (Cat# [RC206547], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GNA14 (Cat# [TA812023]). Positive lysates [LY418087] (100ug) and [LC418087] (20ug) can be purchased separately from OriGene.



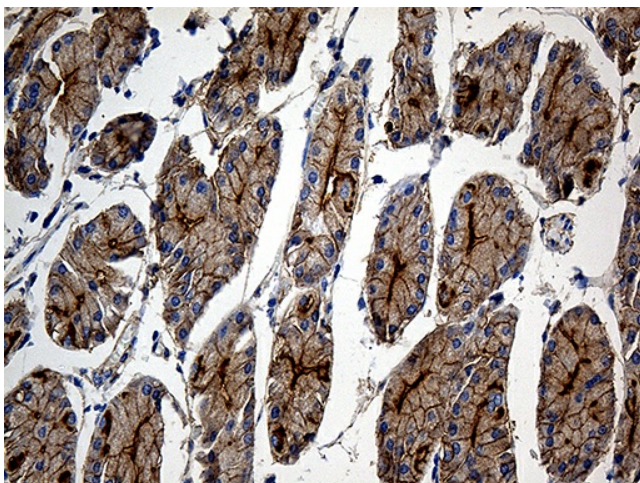
Western blot analysis of extracts (35ug) from HUVEC cell line by using anti-GNA14 monoclonal antibody (1:500).



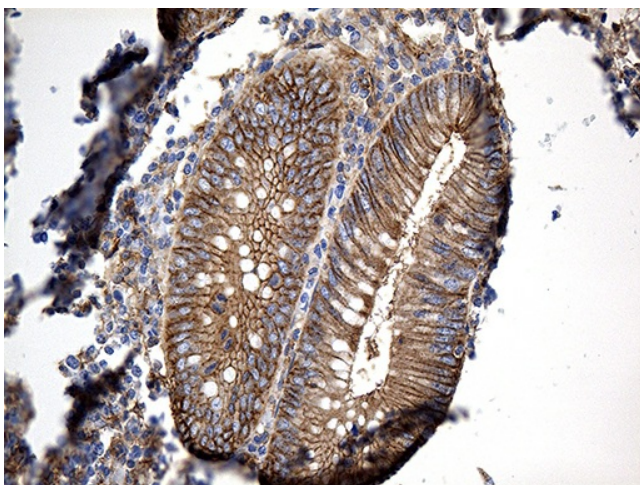
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-GNA14 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-GNA14 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human gastric tissue within the normal limits using anti-GNA14 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human appendix tissue within the normal limits using anti-GNA14 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.