

#### OriGene Technologies, Inc.

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# Product datasheet for TA810245M

# GTP cyclohydrolase 1 (GCH1) Mouse Monoclonal Antibody [Clone ID: OTI3A3]

### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	OTI3A3
Applications:	IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:500
Reactivity:	Human, Mouse, Rat
Host:	Mouse
lsotype:	lgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human GCH1 (NP_001019195) 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:	27.7 kDa
Gene Name:	GTP cyclohydrolase 1
Database Link:	<u>NP_001019195</u> <u>Entrez Gene 14528 MouseEntrez Gene 29244 RatEntrez Gene 2643 Human</u> <u>P30793</u>
Synonyms:	DYT5; DYT5a; DYT14; GCH; GTP-CH-1; GTPCH1; HPABH4B
Protein Families:	Druggable Genome
Protein Pathways:	Folate biosynthesis, Metabolic pathways



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## **Product images:**

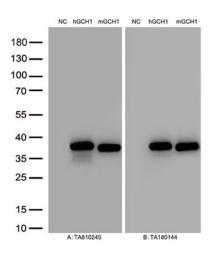
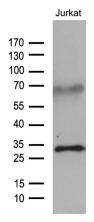
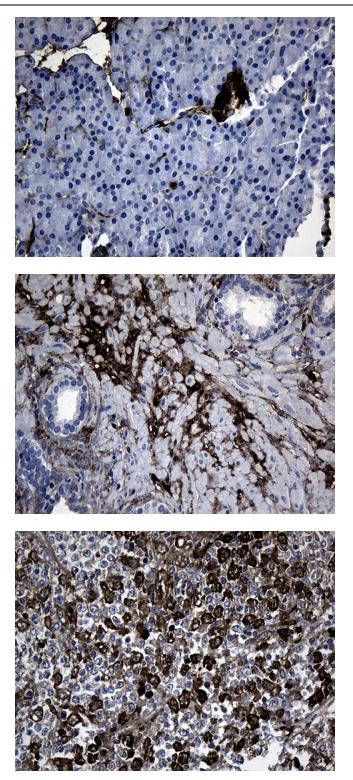


Figure A, Western blot analysis of overexpressed lysates (25ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], NC) , human GCH1 plasmid ([RC202893], hGCH1), mouse GCH1 plasmid ([MR202967], mGCH1) using anti-GCH1 antibody [TA810245] (1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)



Western blot analysis of extracts (35ug) from Jurkat cell line by using anti-GCH1 monoclonal antibody (1:500).

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Immunohistochemical staining of paraffinembedded Human pancreas tissue within the normal limits using anti-GCH1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

Immunohistochemical staining of paraffinembedded Carcinoma of Human prostate tissue using anti-GCH1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

Immunohistochemical staining of paraffinembedded Human lymphoma tissue using anti-GCH1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

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