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Product datasheet for TA810243M

GTP cyclohydrolase 1 (GCH1) Mouse Monoclonal Antibody [Clone ID: OTI1A3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1A3
Applications:	IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:500
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
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:	NP_001019195 Entrez Gene 14528 MouseEntrez Gene 29244 RatEntrez Gene 2643 Human P30793
Synonyms:	DYT5; DYT5a; DYT14; GCH; GTP-CH-1; GTPCH1; HPABH4B
Protein Families:	Druggable Genome
Protein Pathways:	Folate biosynthesis, Metabolic pathways

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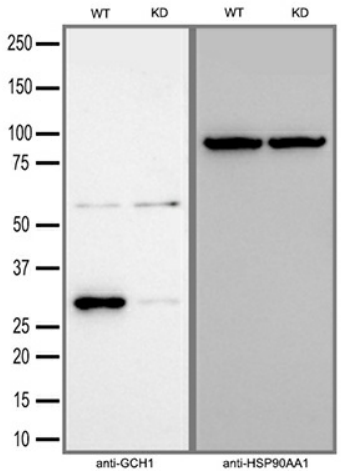
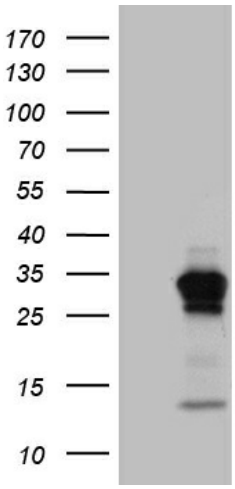
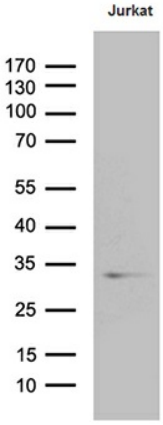
Product images:



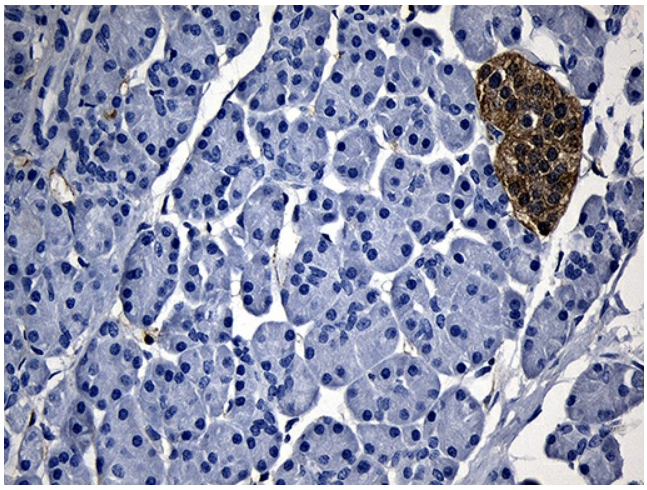
Equivalent amounts of cell lysates (30 ug per lane) of wild-type HeLa cells (WT) and GCH1-Knockdown HeLa cells (KD) were separated by SDS-PAGE and immunoblotted with anti-GCH1 monoclonal antibody [TA810243] (1:2500). Then the blotted membrane was stripped and reprobed with anti-HSP90AA1 antibody as a loading control.



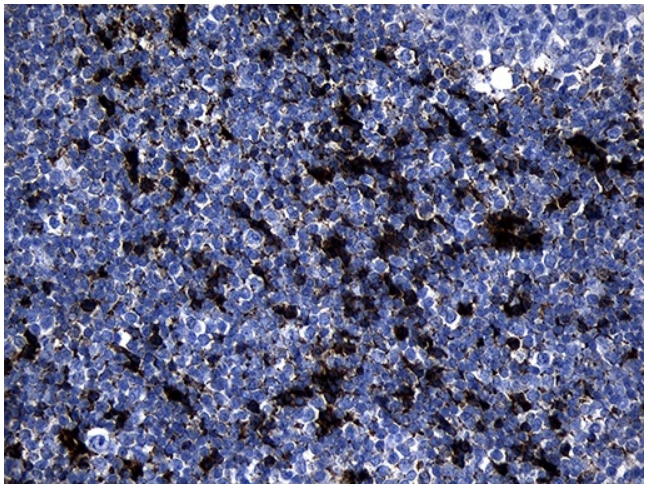
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GCH1 ([RC224968], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GCH1 (1:2000). Positive lysates [LY422611] (100ug) and [LC422611] (20ug) can be purchased separately from OriGene.



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



Immunohistochemical staining of paraffin-embedded 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 paraffin-embedded Human tonsil 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.