

Product datasheet for TA810245BM

OriGene Technologies, Inc.

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GTP cyclohydrolase 1 (GCH1) Mouse Monoclonal Antibody (HRP conjugated) [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 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.

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: 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





Product images:

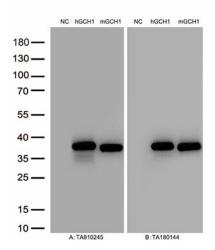
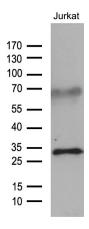
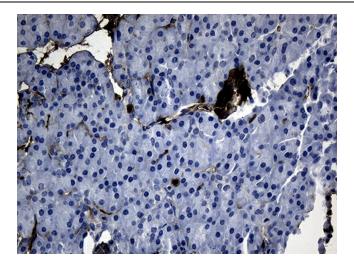


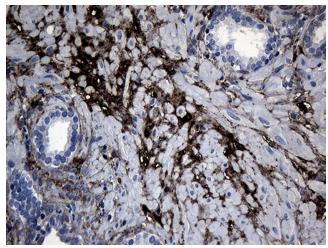
Figure A, Western blot analysis of overexpressed lysates (25ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], NC), human GCH1 plasmid ([RC202893], hGCH1), mouse GCH1 plasmid ([MR202967], mGCH1) using anti-GCH1 antibody [TA810245] (1:500). Figure B, Western blot analysis of the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



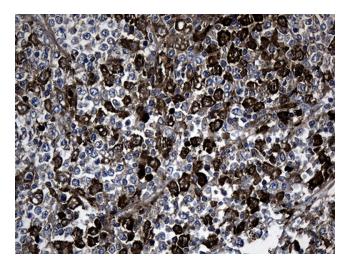
Western blot analysis of extracts (35ug) from Jurkat cell line by using anti-GCH1 monoclonal antibody (1:500).



Immunohistochemical staining of paraffinembedded Human pancreas tissue within the normal limits using anti-GCH1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA810245]) (1:500)



Immunohistochemical staining of paraffinembedded Carcinoma of Human prostate tissue using anti-GCH1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA810245]) (1:500)



Immunohistochemical staining of paraffinembedded Human lymphoma tissue using anti-GCH1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA810245]) (1:500)