

Anti-GCLC Mouse Monoclonal Antibody [Clone ID: OT1A3]

Catalog Number: M01722-1

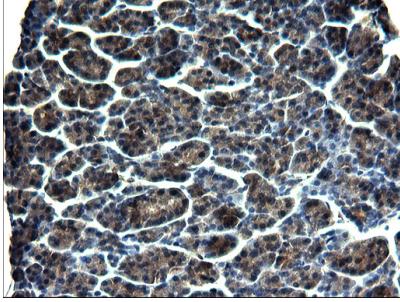
Overview

Product Name	Anti-GCLC Mouse Monoclonal Antibody [Clone ID: OT1A3]
Reactive Species	Human, Monkey, Mouse, Rat
Description	Boster Bio GCLC mouse monoclonal antibody, clone OT1A3 (formerly 1A3). Catalog# M01722-1. Tested in IHC, WB. This antibody reacts with Human, Monkey, Mouse, Rat.
Conjugate	Unconjugated
Application	IHC, WB
Clonality	Monoclonal OT1A3
Formulation	PBS (pH 7.3) containing 1% stabilizing protein, 50% glycerol and 0.02% sodium azide. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P48506

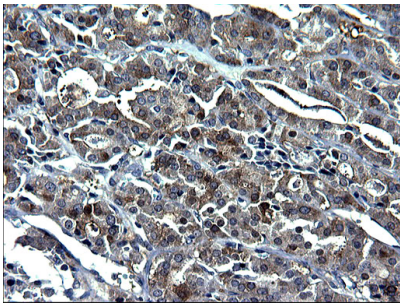
Technical Details

Immunogen	Full length human recombinant protein of human GCLC (NP_001489) produced in HEK293T cell.
Isotype	IgG1
Concentration	1 mg/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Suggested Dilutions	WB 1:200~1000 IHC 1:150

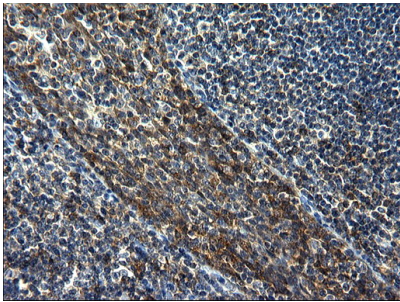
Anti-GCLC Mouse Monoclonal Antibody [Clone ID: OTI1A3] (M01722-1) Images



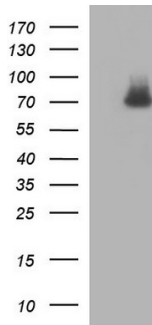
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-GCLC mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris)



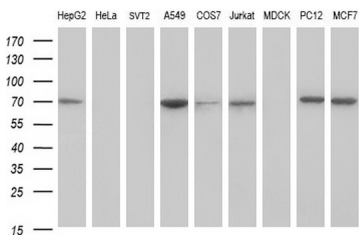
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-GCLC mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris)



Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-GCLC mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris)



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GCLC (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-GCLC.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-GCLC monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).

1. PubMed ID: -, Zhilei Mao, Shushu Li, Lina Zhang, Mengmeng Yao, Zhu Zhou, Minjian Chen, "The mTOR/GCLC/GSH Pathway Mediates the Dose-Dependent Bidirectional Regulation of ROS Induced by TiO₂ NPs in Neurogenic Cells", *Oxidative Medicine and Cellular Longevity*, vol.2019, Article ID 7621561, 14 pages, 2019. <https://doi.org/10.1155/2019/7621561>

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