BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-GCLC Rabbit Monoclonal Antibody

Catalog Number: M01722

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Overview

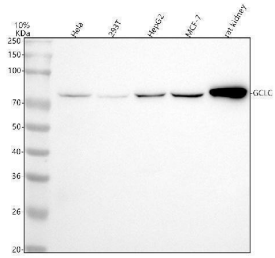
Product Name	Anti-GCLC Rabbit Monoclonal Antibody
Reactive Species	Human, Rat
Description	Boster Bio Anti-GCLC Rabbit Monoclonal Antibody catalog # M01722. Tested in WB application. This antibody reacts with Human, Rat.
Application	WB
Clonality	Monoclonal ABBG-7
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *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	Rabbit
Uniprot ID	P48506

Technical Details

Immunogen	A synthesized peptide derived from human GCLC
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB, 1:500-2000

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Anti-GCLC Rabbit Monoclonal Antibody (M01722) Images



Western blot analysis of GCLC using anti-GCLC antibody (M01722). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human 293T whole cell lysates, Lane 3: human HepG2 whole cell lysates, Lane 4: human MCF-7 whole cell lysates, Lane 5: rat kidney tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-GCLC antigen affinity purified monoclonal antibody (Catalog # M01722) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for GCLC at approximately 73 kDa. The expected band size for GCLC is at 73 kDa.

3 Publications Citing This Product

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

2. PubMed ID: 26339340, Bone marrow mesenchymal stem cells protect against bleomycin-induced pulmonary fibrosis in rat by activating Nrf2 signaling

3. PubMed ID: 27630691, Electroacupuncture alleviates cerebral ischemia and reperfusion injury via modulation of the ERK1/2 signaling pathway

Visit bosterbio.com/anti-gclc-rabbit-monoclonal-antibody-m01722-boster.html to see all 3 publications.

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