

GCLC Polyclonal Antibody

Catalog No. E-AB-52359

Note: Centrifuge before opening to ensure complete recovery of vial contents.

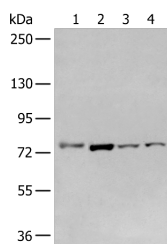
Description

Reactivity	Human, Mouse, Rat
Immunogen	Fusion protein of human GCLC
Host	Rabbit
Isotype	IgG
Purification	Antigen affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.05% NaN ₃ and 40% Glycerol, pH7.4

Applications Recommended Dilution

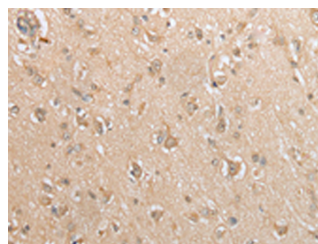
WB	1:500-1:2000
IHC	1:25-1:100

Data



Western blot analysis of Raw264.7 A549 Hepg2 and Jurkat cell using GCLC Polyclonal Antibody at dilution of 1:800

Observed Mw: Refer to figures
Calculated Mw: 73 kDa



Immunohistochemistry of paraffin-embedded Human brain tissue using GCLC Polyclonal Antibody at dilution of 1:35 (×200)

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

Glutamate-cysteine ligase, also known as gamma-glutamylcysteine synthetase is the first rate-limiting enzyme of glutathione synthesis. The enzyme consists of two subunits, a heavy catalytic subunit and a light regulatory subunit. This locus encodes the catalytic subunit, while the regulatory subunit is derived from a different gene located on chromosome 1p22-p21. Mutations at this locus have been associated with hemolytic anemia due to deficiency of gamma-glutamylcysteine synthetase and susceptibility to myocardial infarction.

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