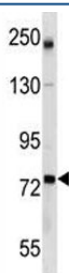


## GCLC Antibody (F46551)

Catalog No.	Formulation	Size
F46551-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F46551-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Predicted Reactivity</b>	Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	P48506
<b>Applications</b>	Western Blot : 1:1000
<b>Limitations</b>	This GCLC antibody is available for research use only.



GCLC antibody western blot analysis in mouse bladder tissue lysate



GCLC antibody western blot analysis in NCI-H292 lysate

## Description

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.

## Application Notes

Titration of the GCLC antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 286-315 from the human protein was used as the immunogen for this GCLC antibody.

## Storage

Aliquot the GCLC antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.