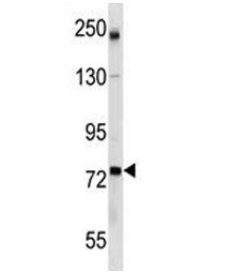
GCLC Antibody (F46551)

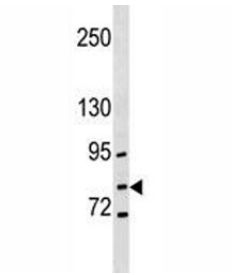
Catalog No.	Formulation	Size
F46551-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F46551-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Predicted Reactivity	Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P48506
Applications	Western blot: 1:1000
Limitations	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.

Researchers studying glutathione metabolism, antioxidant defense mechanisms, and oxidative stress signaling may also be interested in our GCLC Antibody page.

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.

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