

## GCSc-Gamma Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP03520
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human GCSc-gamma. AA range:266-315
<b>Mol wt</b>	72766
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	GCSc-gamma Antibody
<b>Synonyms</b>	GCLC; GLCL; GLCLC; Glutamate--cysteine ligase catalytic subunit; GCS heavy chain; Gamma-ECS; Gamma-glutamylcysteine synthetase

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### 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. GCLC encodes Glutamate--cysteine ligase catalytic subunit, while the regulatory subunit is derived from a different gene located on chromosome 1p22-p21. Mutations at GCLC have been associated with hemolytic anemia due to deficiency of gamma-glutamylcysteine synthetase and susceptibility to myocardial infarction.

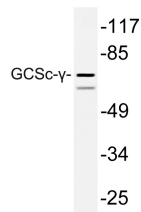
### Recommended Dilution

WB: 1: 500 - 1: 2000

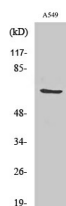
ELISA: 1: 10000

Not yet tested in other applications.

### Images



Western blot analysis of lysate from A549 cells, using GCSc- $\gamma$  antibody.



Western Blot analysis of various cells using GCSc- $\gamma$  Polyclonal Antibody

## Storage

-20°C for one year

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