



[Go to Product page](#)

Datasheet for ABIN928732
anti-GCLC antibody (Middle Region)

1 Image

Overview

Quantity:	100 µL
Target:	GCLC
Binding Specificity:	Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GCLC antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	GCLC antibody was raised in rabbit using the middle region of GCLC as the immunogen
Purification:	Purified

Target Details

Target:	GCLC
Alternative Name:	GCLC (GCLC Products)
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 is the catalytic subunit of 637 amino acids with a calculated molecular weight of 72.773 kDa. Deficiency of gamma-glutamylcysteine synthetase in human is associated with enzymopathic hemolytic anemia. Synonyms:

Target Details

Polyclonal GCLC antibody, Anti-GCLC antibody, glutamate-cysteine ligase, catalytic subunit antibody, GCL antibody, GCS antibody, GLCL antibody, GLCLC antibody.

Pathways: [Cell RedoxHomeostasis](#)

Application Details

Application Notes: WB: 0.2-1 µg/mL
Optimal conditions should be determined by the investigator.

Comment: GCLC Blocking Peptide, catalog no. 33R-7983, is also available for use as a blocking control in assays to test for specificity of this GCLC antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: Lot specific

Buffer: Lyophilized powder. Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL in PBS buffer.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C, following reconstitution, aliquot and store at -20 °C.

Images



Western Blotting

Image 1. Western Blot showing GCLC antibody used at a concentration of 1-2 µg/ml to detect its target protein.