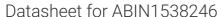
# antibodies - online.com







## anti-GCLC antibody (AA 286-315)

**Images** 



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Background:

Quantity:	400 μL	
Target:	GCLC	
Binding Specificity:	AA 286-315	
Reactivity:	Human, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Application:	Western Blotting (WB)	
Product Details		
Immunogen:	This GCLC antibody is generated from rabbits immunized with a KLH conjugated synthetic	
	peptide between 286-315 amino acids from the Central region of human GCLC.	
Clone:	RB37579	
Isotype:	Ig Fraction	
Predicted Reactivity:	Rat	
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.	
Target Details		
Target:	GCLC	
Alternative Name:	GCLC (GCLC Products)	

Glutamate-cysteine ligase, also known as gamma-glutamylcysteine synthetase is the first rate-

#### **Target Details**

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.

Molecular Weight: 72766

Gene ID: 2729

NCBI Accession: NP\_001184044, NP\_001489

UniProt: P48506

Pathways: Cell RedoxHomeostasis

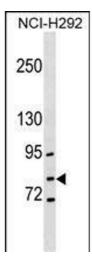
#### **Application Details**

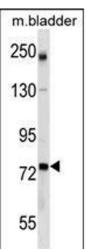
Application Notes: WB: 1:1000. WB: 1:1000

Restrictions: For Research Use only

### Handling

Format:	Liquid	
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	GCLC Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.	
Expiry Date:	6 months	





#### **Western Blotting**

**Image 1.** GCLC Antibody (Center) (ABIN1538246 and ABIN2849959) western blot analysis in NCI- cell line lysates (35  $\mu$ g/lane). This demonstrates the GCLC antibody detected the GCLC protein (arrow).

#### **Western Blotting**

**Image 2.** GCLC Antibody (Center) (ABIN1538246 and ABIN2849959) western blot analysis in mouse bladder tissue lysates (35  $\mu$ g/lane). This demonstrates the GCLC antibody detected the GCLC protein (arrow).