

Product datasheet for **TA335010**

GCLC Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-GCLC antibody: synthetic peptide directed towards the middle region of human GCLC. Synthetic peptide located within the following region: RISKSRYSIDSYLSKCGEKYNDIDLTIDKEIYEQLLQEGIDHLLAQHVA
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	73 kDa
Gene Name:	glutamate-cysteine ligase catalytic subunit
Database Link:	NP_001489 Entrez Gene 14629 Mouse Entrez Gene 2729 Human P48506
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:	GCL; GCS; GLCL; GLCLC



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Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Yeast: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig: 100%

Protein Families: Druggable Genome

Protein Pathways: Glutathione metabolism, Metabolic pathways

Product images:



WB Suggested Anti-GCLC Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 1562500; Positive Control: Human Placenta