ELK Biotechnology

GCSc-γ rabbit pAb

Cat No.:ES2414

For research use only

Overview

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Product Name	GCSc-γ rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human GCSc-gamma. AA range:266-315
Specificity	GCSc-γ Polyclonal Antibody detects endogenous levels of GCSc-γ protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Glutamate--cysteine ligase catalytic subunit
Gene Name	GCLC
Cellular localization	cytosol,integral component of membrane,glutamate-cysteine ligase complex,
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	73kD
Human Gene ID	2729
Human Swiss-Prot Number	P48506
Alternative Names	GCLC; GLCL; GLCLC; Glutamate--cysteine ligase catalytic subunit; GCS heavy chain; Gamma-ECS; Gamma-glutamylcysteine synthetase
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. 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.[provided by RefSeq, Oct 2010],
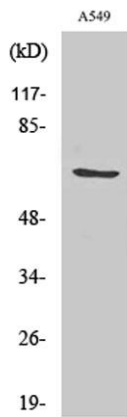
Western Blot analysis of various cells using GCSc-γ Polyclonal Antibody
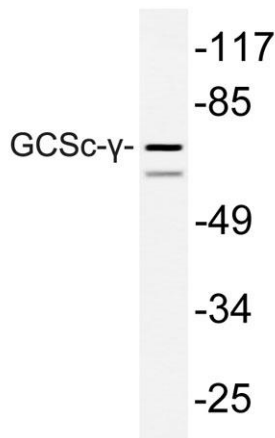
Western blot analysis of lysate from A549 cells, using GCSc-γ antibody.