

产品名称: GCSc- γ Rabbit Polyclonal Antibody
产品货号: APRab11369



产品概述 (Summary)

产品名称 (Production Name)	GCSc- γ Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	GCLC
别名 (Alternative Names)	GCLC; GLCL; GLCLC; Glutamate--cysteine ligase catalytic subunit; GCS heavy chain; Gamma-ECS; Gamma-glutamylcysteine synthetase
基因 ID (Gene ID)	2729.0
蛋白 ID (SwissProt ID)	P48506.The antiserum was produced against synthesized peptide derived from human GCSc-gamma. AA range:266-315

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	73kDa

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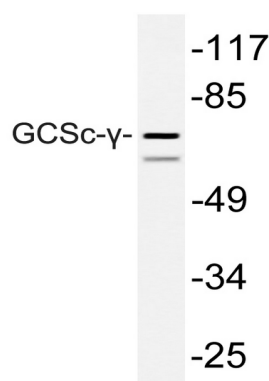
研究背景 (Background)

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],catalytic activity:ATP + L-glutamate + L-cysteine = ADP + phosphate + gamma-L-glutamyl-L-cysteine.,disease:Defects in GCLC are the cause of hemolytic anemia [MIM:230450].,enzyme regulation:Feedback inhibition by glutathione.,pathway:Sulfur metabolism; glutathione biosynthesis; glutathione from L-cysteine and L-glutamate: step 1/2.,similarity:Belongs to the glutamate--cysteine ligase type 3 family.,subunit:Heterodimer of a catalytic heavy chain and a regulatory light chain.,

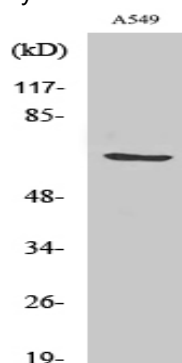
研究领域 (Research Area)

Glutathione metabolism;

图片 (Image Data)



Western blot analysis of lysate from A549 cells, using GCSc- γ antibody.



Western Blot analysis of various cells using GCSc- γ Polyclonal Antibody

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注意事项 (Note)

For research use only .