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anti-Glutathione Reductase antibody (C-Term)





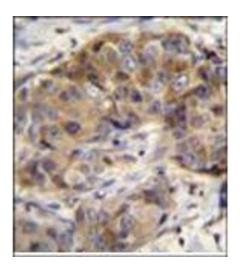
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Overview

Overview	
Quantity:	0.4 mL
Target:	Glutathione Reductase (GSR)
Binding Specificity:	AA 387-416, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glutathione Reductase antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)
Product Details	
Immunogen:	KLH conjugated synthetic peptide between 387-416 amino acids from the C-terminal region of human Glutathione reductase. Genename: GSR
Isotype:	lg Fraction
Specificity:	This antibody recognizes Human Glutathione reductase (C-term).
Specificity: Purification:	This antibody recognizes Human Glutathione reductase (C-term). Protein A column, followed by peptide affinity purification
-	
Purification:	

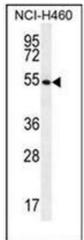
Target Details

Background:	This gene encodes a member of the class-I pyridine nucleotide-disulfide oxidoreductase family.
	This enzyme is a homodimeric flavoprotein. It is a central enzyme of cellular antioxidant
	defense, and reduces oxidized glutathione disulfide (GSSG) to the sulfhydryl form GSH, which is
	an important cellular antioxidant. Rare mutations in this gene result in hereditary glutathione
	reductase deficiency. Multiple alternatively spliced transcript variants encoding different
	isoforms have been found.Synonyms: GLUR, GR, GRD1, GRase, GSR
Molecular Weight:	56257 Da
Gene ID:	2936
NCBI Accession:	NP_000628
Pathways:	Thyroid Hormone Synthesis, Cell RedoxHomeostasis
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



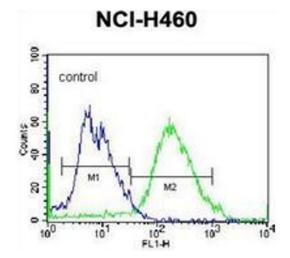
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma reacted with Glutathione reductase Antibody (C-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.



Western Blotting

Image 2. Western blot analysis of Glutathione reductase Antibody (C-term) in NCI-H460 cell line lysates (35ug/lane).



Flow Cytometry

Image 3. Flow cytometric analysis of NCI-H460 cells using Glutathione reductase Antibody (C-term) Cat.-No AP51963PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-antirabbit secondary antibodies were used for the analysis.

Please check the product details page for more images. Overall 4 images are available for ABIN952543.