

Datasheet for ABIN655985

**anti-Glutathione Reductase antibody (C-Term)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	400 µL
Target:	Glutathione Reductase (GSR)
Binding Specificity:	AA 380-408, 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)

## Product Details

Immunogen:	This GSR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 380-408 amino acids from the C-terminal region of human GSR.
Clone:	RB31981
Isotype:	IgG
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	Glutathione Reductase (GSR)
Alternative Name:	GSR ( <a href="#">GSR Products</a> )

## Target Details

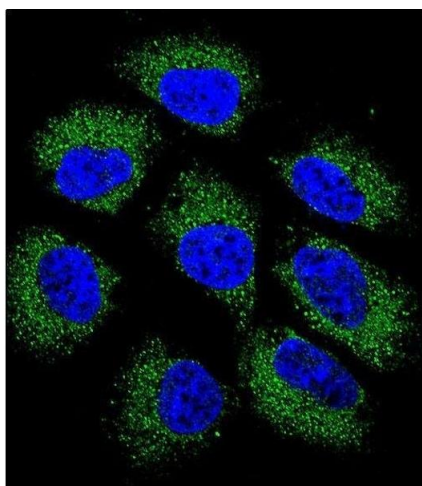
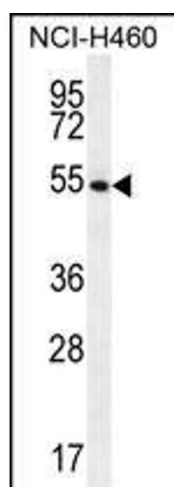
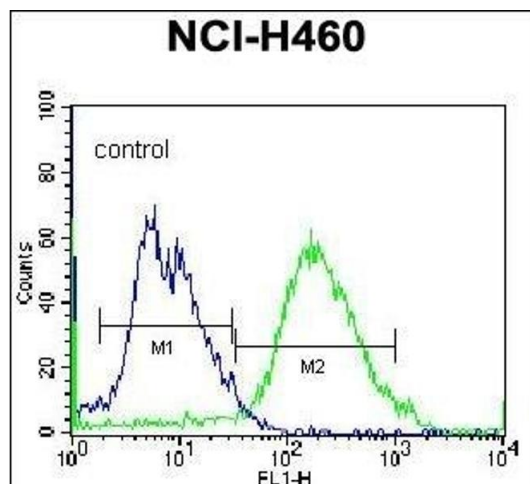
Background:	This gene encodes a member of the class-I pyridine nucleotide-disulfide oxidoreductase family. This enzyme is a homodimeric flavoprotein. It is a central enzyme of cellular antioxidant defense, and reduces oxidized glutathione disulfide (GSSG) to the sulfhydryl form GSH, which is an important cellular antioxidant. Rare mutations in this gene result in hereditary glutathione reductase deficiency. Multiple alternatively spliced transcript variants encoding different isoforms have been found.
Molecular Weight:	56257
Gene ID:	2936
NCBI Accession:	<a href="#">NP_000628</a> , <a href="#">NP_001182031</a> , <a href="#">NP_001182032</a> , <a href="#">NP_001182033</a>
UniProt:	<a href="#">P00390</a>
Pathways:	<a href="#">Thyroid Hormone Synthesis</a> , <a href="#">Cell RedoxHomeostasis</a>

## Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50
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:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



### Flow Cytometry

**Image 1.** GSR Antibody (C-term) (ABIN655985 and ABIN2845369) flow cytometric analysis of NCI- cells (right histogram) compared to a negative control -Rabbit IgG alone (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

### Western Blotting

**Image 2.** GSR Antibody (C-term) (ABIN655985 and ABIN2845369) western blot analysis in NCI- cell line lysates (35 µg/lane). This demonstrates the GSR antibody detected the GSR protein (arrow).

### Immunofluorescence

**Image 3.** Confocal immunofluorescent analysis of GSR Antibody (C-term) (ABIN655985 and ABIN2845369) with NCI- cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN655985.