

KD-Validated Anti-Glutathione-disulfide reductase Recombinant Rabbit Monoclonal



Catalog #: 61465

Aliases

GSR; Glutathione-Disulfide Reductase; Glutathione Reductase, Mitochondrial; Glutathione S-Reductase; EC 1.8.1.7; GRase; GR; Epididymis Secretory Sperm Binding Protein Li 122m; Epididymis Luminal Protein 75; Glutathione Reductase; HEL-S-122m; EC 1.8.1; HEL-75; GSRD; GLUR; GRD1

Background

Gene Name: GSR

NCBI Gene Entry: [2936](#)

UniProt Entry: [P00390](#)

Application Information

Molecular Weight: Predicted, 56 kDa, observed, 50 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB2845

Species Reactivity: Human, mouse

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human GLUR

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

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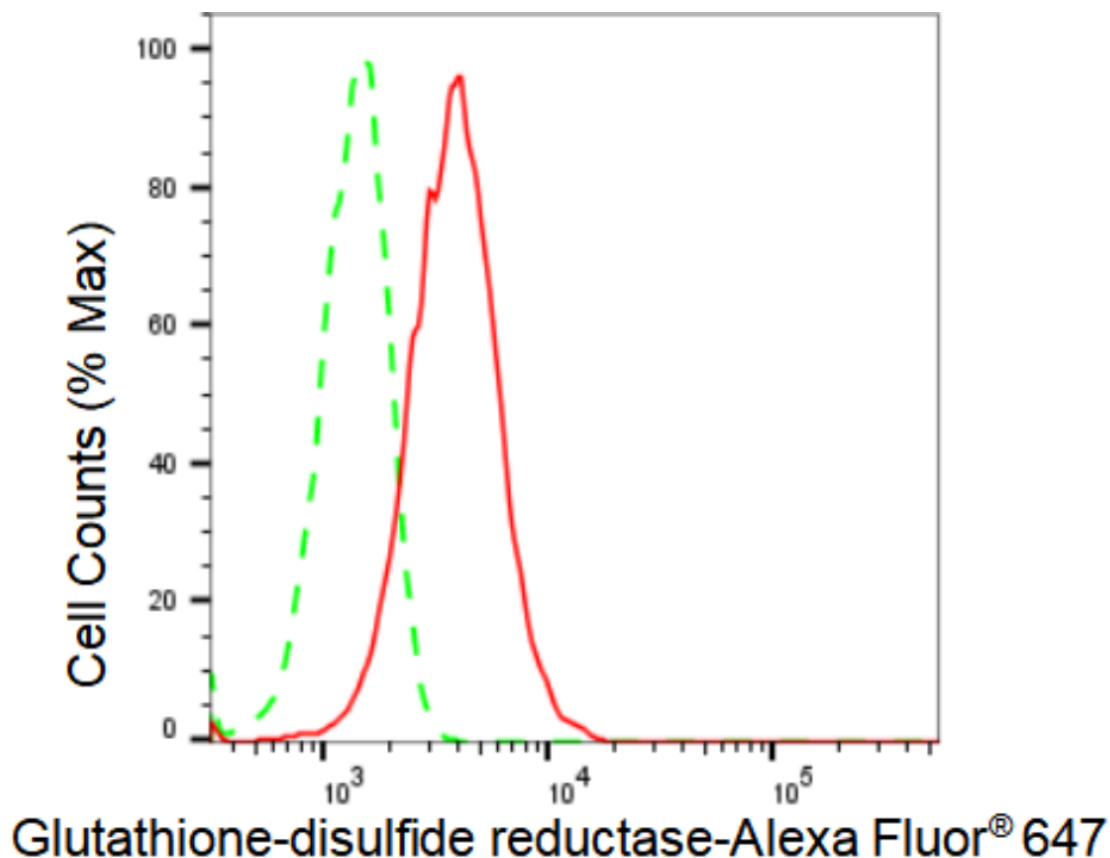
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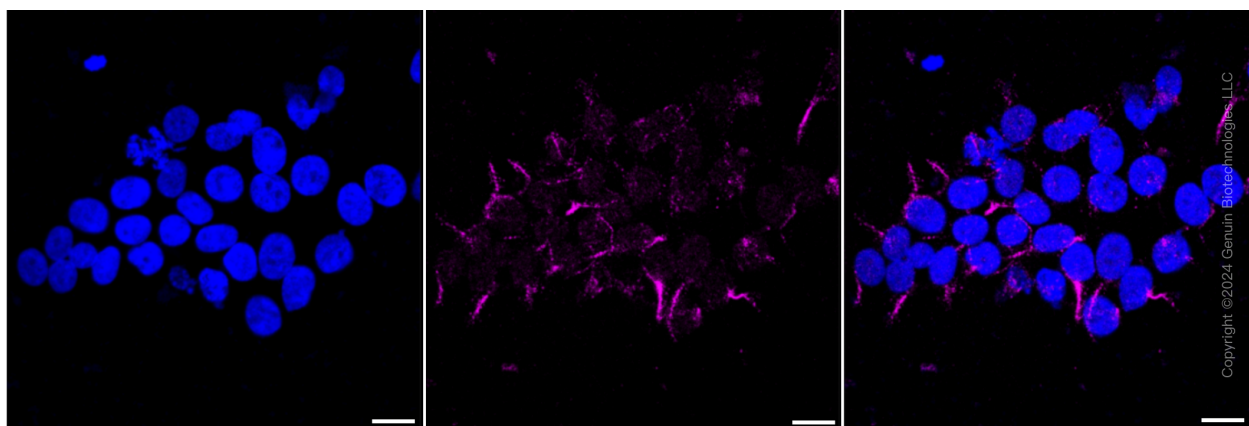
PAGE 2

Note: This product is for research use only.

Validation Data



Flow cytometric analysis of Glutathione-disulfide reductase expression in HeLa cells using Glutathione-disulfide reductase antibody (Cat#61465, 1:2,000). Green, isotype control; red, Glutathione-disulfide reductase.



Immunocytochemical staining of HeLa cells with Glutathione-disulfide reductase antibody (Cat#61465, 1:1,000). Nuclei were stained blue with DAPI; Glutathione-disulfide reductase was

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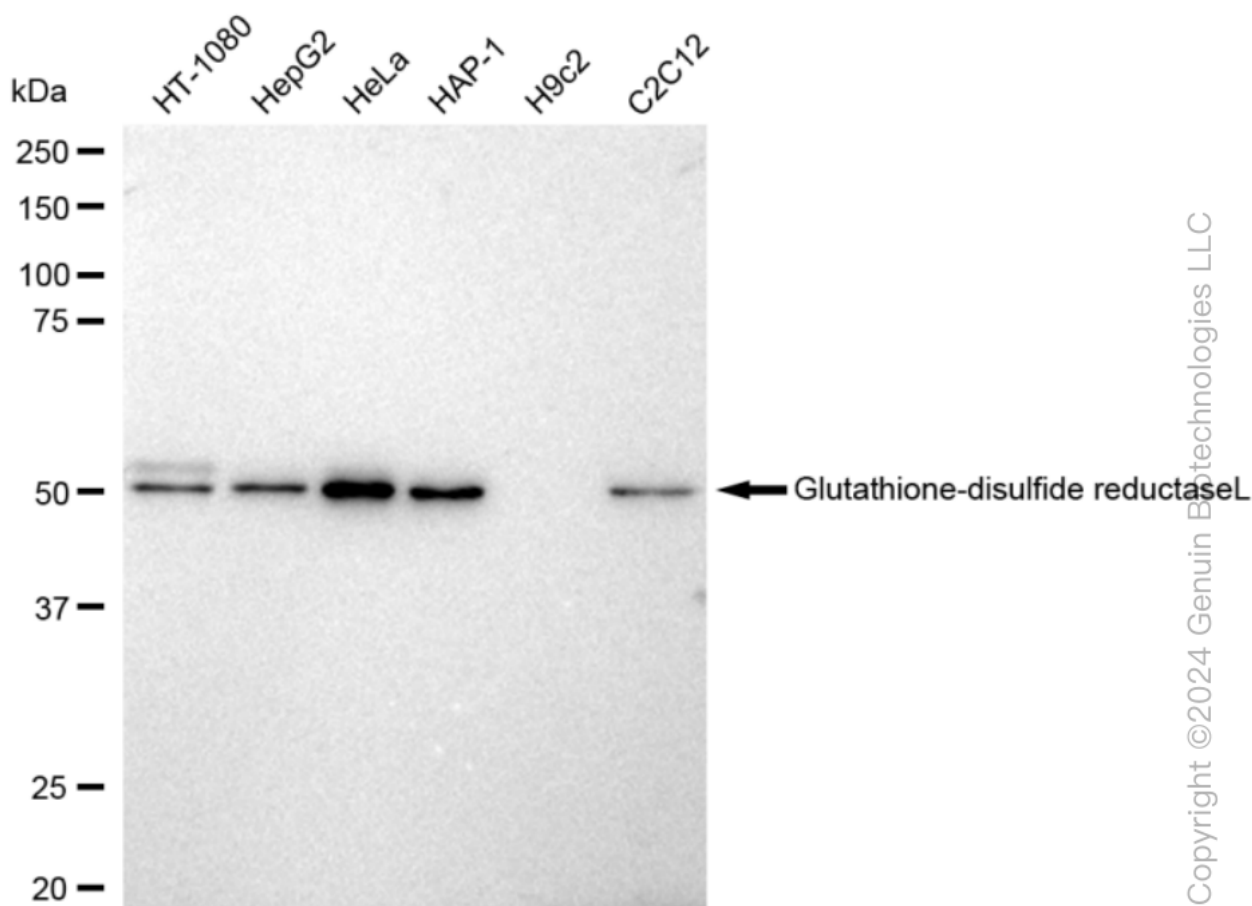
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PAGE 3

stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Very low. Scale bar: 20 µm.



Western blotting analysis using anti-Glutathione-disulfide reductase antibody (Cat#61465). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Glutathione-disulfide reductase antibody (Cat#61465, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

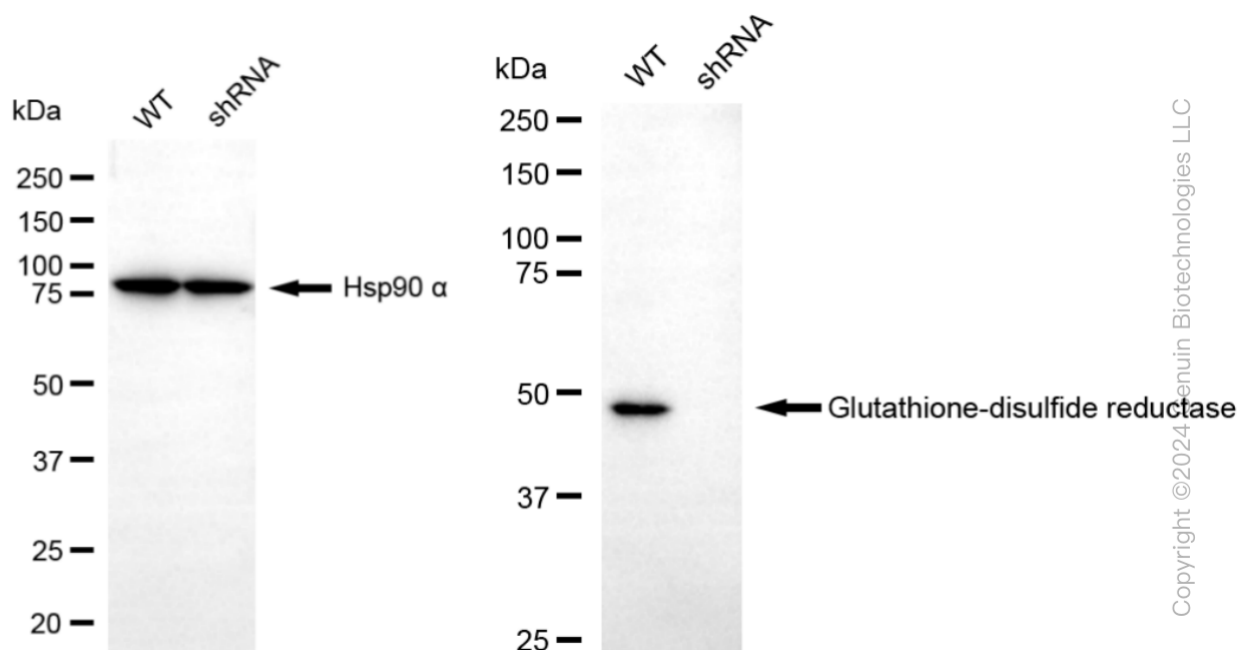
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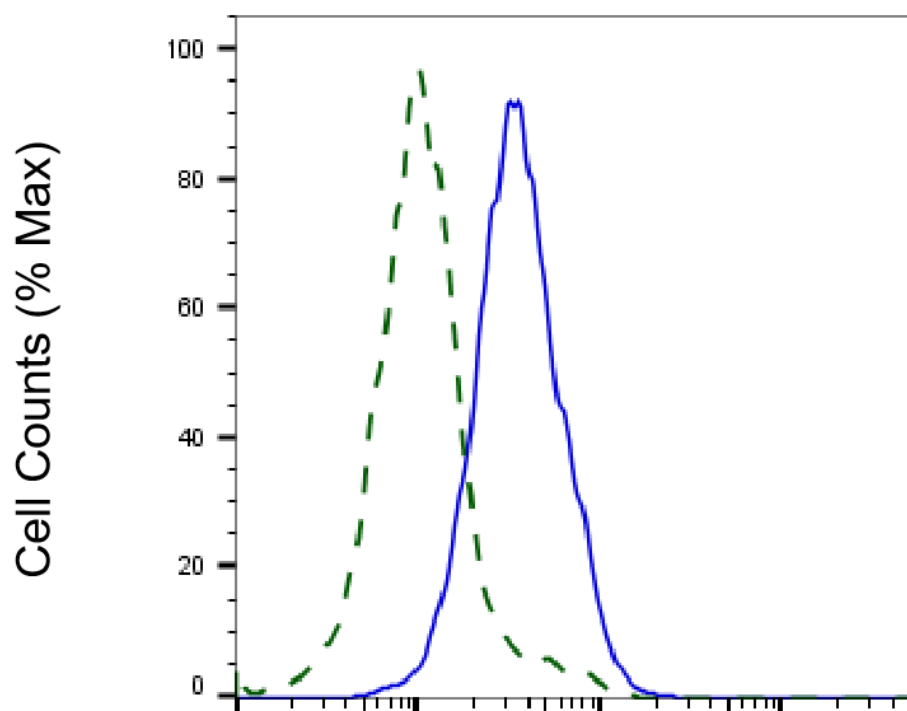
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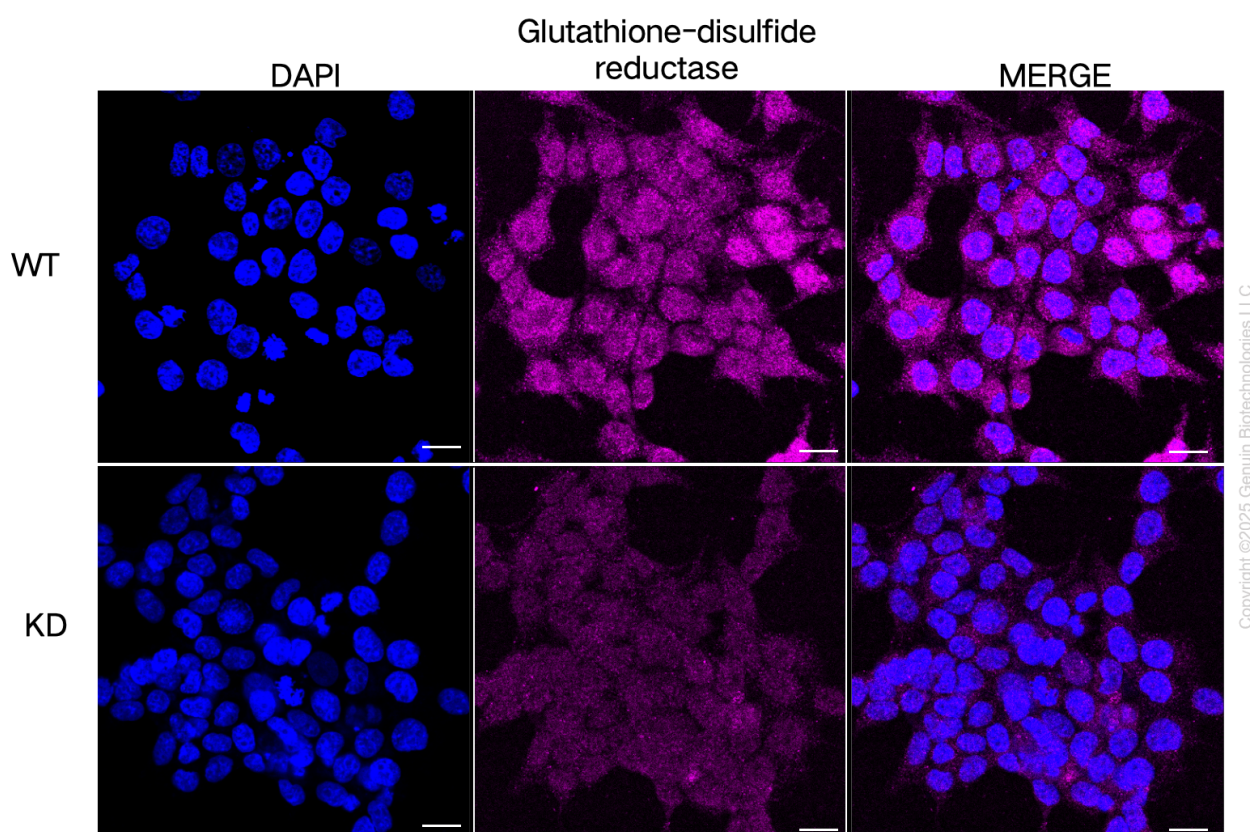
Western blotting analysis using anti-Glutathione-disulfide reductase antibody (Cat#61465). Glutathione-disulfide reductase expression in wild type (WT) and glutathione-disulfide reductase shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Glutathione-disulfide reductase antibody (Cat#61465, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



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Glutathione-disulfide reductase-Alexa Fluor® 647

Validation of Glutathione-disulfide reductase knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-Glutathione-disulfide reductase antibody (Cat#61465, 1:2,000) and analyzed using CytoFLEX.



Immunocytochemical staining of HeLa cells using anti-Glutathione-disulfide reductase antibody (Cat#61465, 1:1,000), Top panel: wild-type (WT); Bottom panel: Glutathione-disulfide reductase shRNA knockdown (KD). Nuclei were stained blue with DAPI; Glutathione-disulfide reductase was stained magenta with Alexa Fluor® 647. Scale bar, 20 μ m. Permeabilization: Triton.