

# KD-Validated Anti-Glutathione-disulfide reductase Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

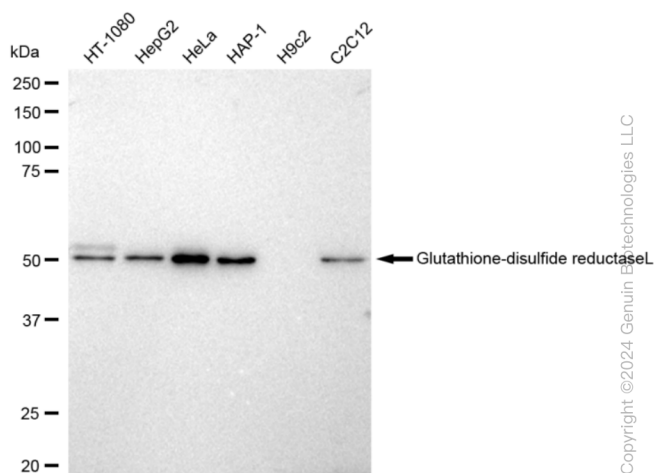
ABG1238

## Product Overview

|                             |                                                                                                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Name</b>                 | KD-Validated Anti-Glutathione-disulfide reductase Rabbit Monoclonal Antibody                           |
| <b>Accession(Primary)</b>   | P00390                                                                                                 |
| <b>Host Species</b>         | Rabbit                                                                                                 |
| <b>Clonality</b>            | Monoclonal                                                                                             |
| <b>Isotype</b>              | Rabbit IgG                                                                                             |
| <b>Immunogen</b>            | A synthesized peptide derived from human GLUR                                                          |
| <b>Species Reactivity</b>   | Human, Mouse                                                                                           |
| <b>Calculated MW</b>        | Predicted, 56 kDa , observed, 50 kDa                                                                   |
| <b>Storage Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.                              |
| <b>Recommended Dilution</b> | Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:1,000 |

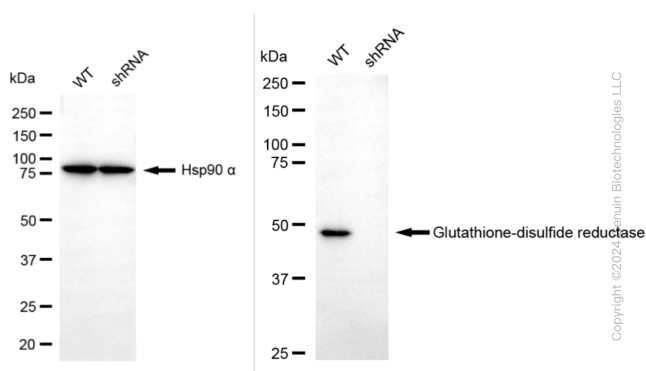
## Target information (P00390)

|                          |                                                                                                                                                                                                                                                                                      |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | GSR                                                                                                                                                                                                                                                                                  |
| <b>About Gene Symbol</b> | GSR (Glutathione-Disulfide Reductase) is a metabolic enzyme involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets. |



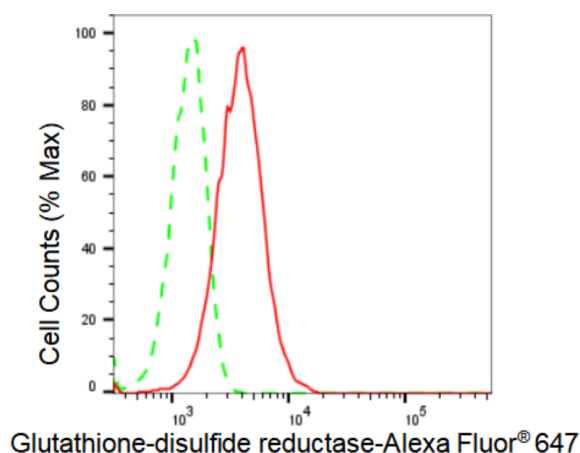
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Western blotting analysis using anti-Glutathione-disulfide reductase antibody (Cat#ABG1238). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Glutathione-disulfide reductase antibody (Cat#ABG1238, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



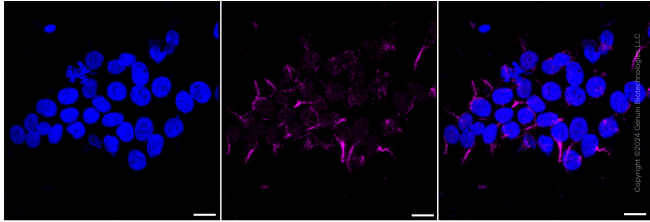
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Western blotting analysis using anti-Glutathione-disulfide reductase antibody (Cat#ABG1238). Glutathione-disulfide reductase expression in wild type (WT) and glutathione-disulfide reductase shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Glutathione-disulfide reductase antibody (Cat#ABG1238, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Glutathione-disulfide reductase expression in HeLa cells using Glutathione-disulfide reductase antibody (Cat#ABG1238, 1:2,000). Green, isotype control; red, Glutathione-disulfide reductase.



Immunocytochemical staining of HeLa cells with Glutathione-disulfide reductase antibody (Cat#ABG1238, 1:1,000). Nuclei were stained blue with DAPI; Glutathione-disulfide reductase was 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  $\mu$ m.