

## Product datasheet for **TA323576**

### Glutathione Reductase (GSR) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: Jurkat, Hela and A549 cells IHC: 50-200 Positive control: Human ovarian cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 274-475 amino acids of human glutathione reductase
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	56 kDa
Gene Name:	glutathione reductase
Database Link:	<a href="#">NP_000628</a> <a href="#">Entrez Gene 14782 Mouse</a> <a href="#">Entrez Gene 116686 Rat</a> <a href="#">Entrez Gene 2936 Human</a> <a href="#">P00390</a>



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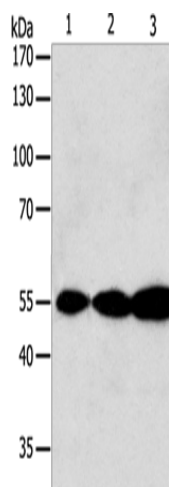
**Background:** This gene encodes a member of the class-I pyridine nucleotide-disulfide oxidoreductase family. This enzyme is a homodimeric flavoprotein. It is a central enzyme of cellular antioxidant defense; and reduces oxidized glutathione disulfide (GSSG) to the sulfhydryl form GSH; which is an important 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:** HEL-75

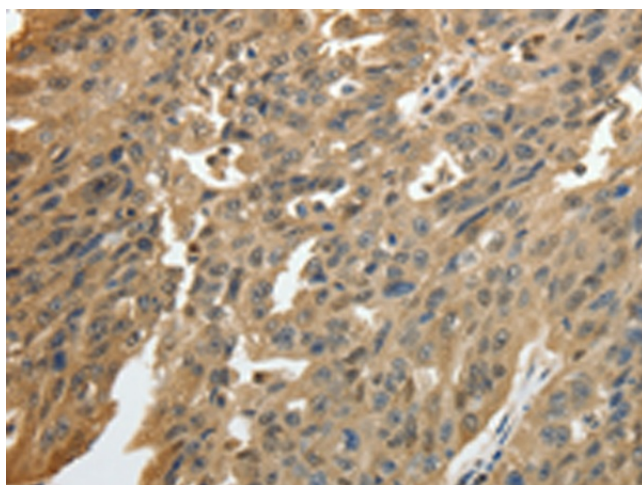
**Protein Families:** Druggable Genome

**Protein Pathways:** Glutathione metabolism

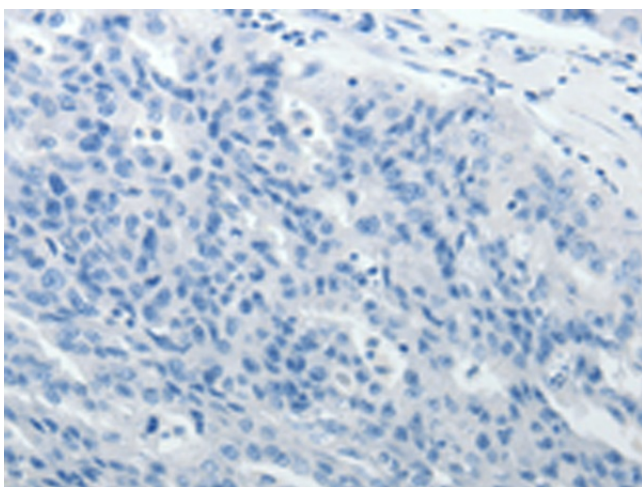
**Product images:**



Gel: 10%SDS-PAGE  
 Lysate: 40 µg  
 Lane 1-3: Jurkat cells  
 HeLa cells  
 A549 cells  
 Primary antibody: TA323576 (GSR Antibody) at dilution 1/750  
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
 Exposure time: 30 seconds



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA323576 (GSR Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA323576 (GSR Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: ×200)