

## Rabbit Glutathione Synthetase Polyclonal Antibody | anti-GSS antibody

Rabbit anti-Glutathione Synthetase Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                           |
|-----------|--------|-------------------|--------------------------------------------------------|
| AAA223010 | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

Glutathione Synthetase; Polyclonal Antibody; Rabbit anti-Glutathione Synthetase Antibody; Glutathione synthetase; GSH synthetase; GSH-S; Glutathione synthase; anti-GSS antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                                           |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                    |
| Reactivity                                    | Human, Mouse, Rat                                                                                         |
| Clonality                                     | Polyclonal                                                                                                |
| Purity/Purification                           | The antibody was purified by immunogen affinity chromatography.                                           |
| Form/Format                                   | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Concentration                                 | 1mg/mL (varies by lot)                                                                                    |
| Applicable Applications for anti-GSS antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                    |
| Immunogen                                     | Recombinant full length protein of human Glutathione Synthetase                                           |
| Preparation and Storage                       | Store at -20 degree C. Avoid repeated freeze/thaw cycles.                                                 |

### IMAGES



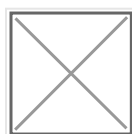
#### IF (Immunofluorescence)

Immunofluorescent analysis of Glutathione Synthetase staining in K562 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of Glutathione Synthetase staining in mouse lung formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



#### WB (Western Blot)

Western blot analysis of Glutathione Synthetase expression in SW480 (A), K562 (B), Raji (C), mouse kidney (D), mouse liver (E) whole cell lysates.

### ADDITIONAL INFORMATION

|                                                 |                    |
|-------------------------------------------------|--------------------|
| Product Categories/Family for anti-GSS antibody | Primary antibodies |
|-------------------------------------------------|--------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 1346191                                                                                                                                                                   |
| NCBI GeneID                      | 2937                                                                                                                                                                      |
| UniProt Accession #              | P48637; P51855; P46413                                                                                                                                                    |
| Molecular Weight                 | 474                                                                                                                                                                       |
| NCBI Official Full Name          | Glutathione synthetase                                                                                                                                                    |
| NCBI Official Synonym Full Names | glutathione synthetase                                                                                                                                                    |
| NCBI Official Symbol             | GSS                                                                                                                                                                       |
| NCBI Official Synonym Symbols    | GSHS; HEL-S-64p; HEL-S-88n                                                                                                                                                |
| NCBI Protein Information         | glutathione synthetase; GSH-S; GSH synthetase; glutathione synthase; epididymis secretory sperm binding protein Li 64p; epididymis secretory sperm binding protein Li 88n |
| UniProt Protein Name             | Glutathione synthetase                                                                                                                                                    |
| UniProt Gene Name                | GSS                                                                                                                                                                       |
| UniProt Synonym Gene Names       | GSH synthetase; GSH-S                                                                                                                                                     |
| UniProt Entry Name               | GSHB_HUMAN                                                                                                                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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