

Product datasheet for **TA501859BM**

Glutathione Synthetase (GSS) Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI1H3]

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI1H3 |
| Applications: | WB |
| Recommended Dilution: | WB 1:2000 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human GSS (NP_000169) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol. |
| Concentration: | 0.5 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | HRP |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 52.2 kDa |
| Gene Name: | glutathione synthetase |
| Database Link: | NP_000169 Entrez Gene 14854 Mouse Entrez Gene 25458 Rat Entrez Gene 2937 Human P48637 |



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Background:

Glutathione is important for a variety of biological functions, including protection of cells from oxidative damage by free radicals, detoxification of xenobiotics, and membrane transport. The protein encoded by this gene functions as a homodimer to catalyze the second step of glutathione biosynthesis, which is the ATP-dependent conversion of gamma-L-glutamyl-L-cysteine to glutathione. Defects in this gene are a cause of glutathione synthetase deficiency. [provided by RefSeq]

Synonyms:

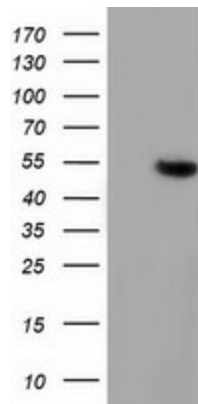
GSHS; HEL-S-64p; HEL-S-88n

Protein Families:

Druggable Genome

Protein Pathways:

Glutathione metabolism, Metabolic pathways

Product images:

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GSS ([RC203174], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GSS. Positive lysates [LY424876] (100ug) and [LC424876] (20ug) can be purchased separately from OriGene.