

Glutathione Synthetase Antibody
Rabbit mAb
Catalog # AP91948**Specification****Glutathione Synthetase Antibody - Product Information**

Application	WB, IHC, FC, ICC
Primary Accession	P48637
Reactivity	Rat
Clonality	Monoclonal
Other Names	
Glutathione synthase; Glutathione synthetase; GSH S; GSH synthetase; GSH-S; GSHS; GSS; HEL-S-64p; HEL-S-88n;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	52385 Da

Glutathione Synthetase Antibody - Additional Information

Dilution	WB~~1:1000 IHC~~1:100~500 FC~~1:10~50 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Glutathione Synthetase
Description	Sulfur metabolism; glutathione biosynthesis; glutathione from L-cysteine and L-glutamate: step 2/2.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Glutathione Synthetase Antibody - Protein Information**Name** GSS ([HGNC:4624](#))**Function**

Catalyzes the production of glutathione from gamma- glutamylcysteine and glycine in an ATP-dependent manner (PubMed:7646467, PubMed:9215686). Glutathione (gamma- glutamylcysteinylglycine, GSH) is the most abundant intracellular thiol in living aerobic cells and is required for numerous processes including the protection of cells against oxidative damage, amino acid transport, the detoxification of foreign compounds, the maintenance of protein sulfhydryl groups in a reduced state and acts as a cofactor for a number of enzymes (PubMed:10369661).

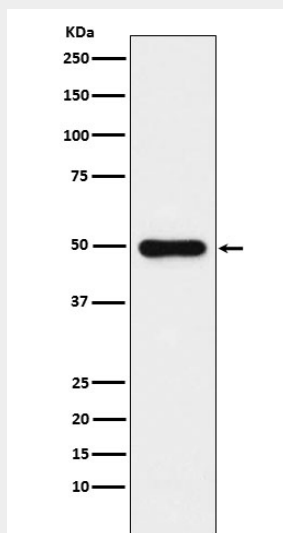
target="_blank">10369661). Participates in ophthalmate biosynthesis in hepatocytes (By similarity).

Glutathione Synthetase Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Glutathione Synthetase Antibody - Images



Western blot analysis of Glutathione Synthetase expression in HeLa cell lysate.