

Glutathione Synthetase Antibody

Rabbit mAb Catalog # AP91948

Product Information

Application WB, IHC, IF, FC, ICC, IHF

Primary Accession P48637

Reactivity Rat, Human, Mouse

Clonality Monoclonal

Other Names Glutathione synthase; Glutathione synthetase; GSH S; GSH synthetase; GSH-S;

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

IsotypeRabbit IgGHostRabbitCalculated MW52385

Additional Information

Dilution WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 FC 1:100

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.

Protein Information

Name GSS (<u>HGNC:4624</u>)

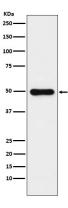
Function Catalyzes the production of glutathione from gamma- glutamylcysteine and

glycine in an ATP-dependent manner (PubMed:<u>7646467</u>, PubMed:<u>9215686</u>). 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:<u>10369661</u>). Participates in ophthalmate

biosynthesis in hepatocytes (By similarity).

Images

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



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