

Glutathione Synthetase (GSS) Rabbit mAb

Catalog No.: A11557 **Recombinant** **3 Publications**

Basic Information

Observed MW

52kDa

Calculated MW

52kDa

Category

Primary antibody

Applications

WB, IF/ICC, ELISA

Cross-Reactivity

Human, Mouse, Rat

Clone/No. number

ARC0630

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.

Recommended Dilutions

WB 1:500 - 1:1000

IF/ICC 1:50 - 1:200

ELISA Recommended starting concentration is 1 μ g/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

2937

Swiss Prot

P48637

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

GSHS; HEL-S-64p; HEL-S-88n; Glutathione Synthetase (GSS)

Contact

	400-999-6126
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Product Information

Source

Rabbit

Isotype

IgG

Purification

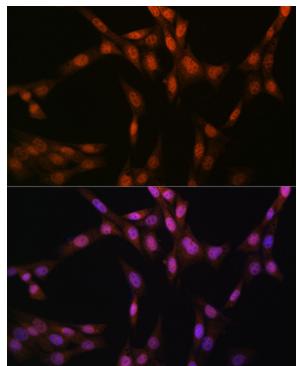
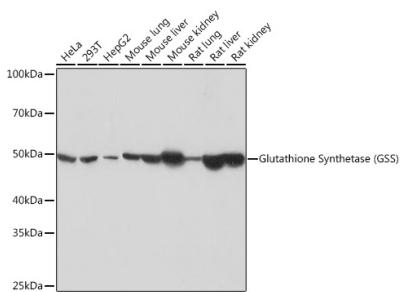
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Immunofluorescence analysis of NIH-3T3 cells using Glutathione Synthetase (GSS) (GSS) Rabbit mAb (A11557) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.