

# Glutathione Synthetase (GSS) Rabbit mAb

Catalog No.: A11557 **Recombinant**

## Basic Information

**Observed MW**

52kDa

**Calculated MW**

52kDa

**Category**

Primary antibody

**Applications**

ELISA, WB, IF/ICC

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo 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

## Immunogen Information

**Gene ID**

2937

**Swiss Prot**

P48637

**Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 350-450 of human Glutathione Synthetase (GSS) (P48637).

**Synonyms**

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

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

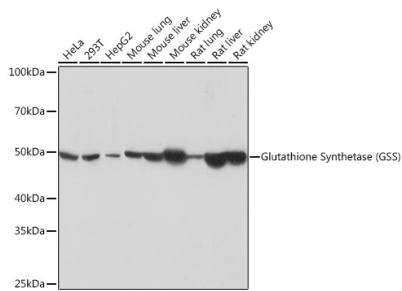
**Storage**

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

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using Glutathione Synthetase (GSS) (GSS) Rabbit mAb (A11557) at 1:10000 dilution.

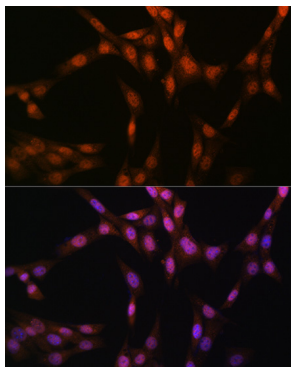
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 3min.



Immunofluorescence analysis of NIH-3T3 cells using Glutathione Synthetase (GSS) (GSS) Rabbit mAb (A11557) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.