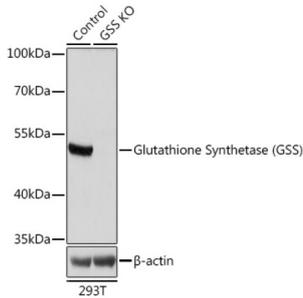
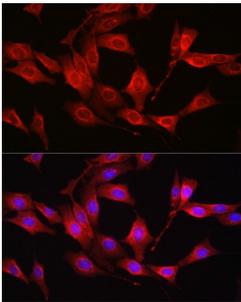


## Glutathione Synthetase (GSS) Antibody

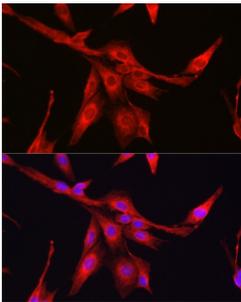
Catalogue No.: abx000992



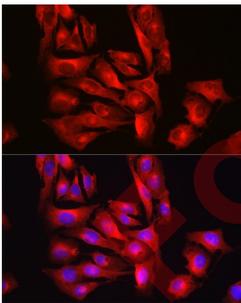
Western blot analysis of extracts from normal (control) and Glutathione Synthetase (Glutathione Synthetase (GSS)) knockout (KO) 293T cells using Glutathione Synthetase (Glutathione Synthetase (GSS)) Antibody (1/1000 dilution).



Immunofluorescence analysis of NIH/3T3 cells using [KO Validated] Glutathione Synthetase (GSS) Antibody (1/100 dilution, 40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using [KO Validated] Glutathione Synthetase (GSS) antibody (1/100 dilution, 40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using [KO Validated] Glutathione Synthetase (GSS) antibody (1/100 dilution, 40x lens). Blue: DAPI for nuclear staining.

GSS Antibody is a Rabbit Polyclonal antibody against GSS. 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, Jul 2008].

**Target:** Glutathione Synthetase (GSS)

# Datasheet

Version: 4.0.0  
Revision date: 28 Sep 2025



<b>Clonality:</b>	Polyclonal
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Tested Applications:</b>	WB, IF/ICC
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	WB: 1/500 - 1/2000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	Recombinant fusion protein corresponding to human GSS
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified by affinity chromatography.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	P48637 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	GSS
<b>GeneID:</b>	<a href="#">2937</a>
<b>NCBI Accession:</b>	NP_000169.1
<b>KEGG:</b>	hsa:2937
<b>String:</b>	<a href="#">9606.ENSP00000216951</a>
<b>Molecular Weight:</b>	Calculated MW: 40 kDa/52 kDa Observed MW: 52 kDa
<b>Buffer:</b>	PBS, pH 7.3, containing 0.01% thiomersal, 50% glycerol.
<b>Concentration:</b>	1 mg/ml
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.