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GSS Polyclonal Antibody

(Catalog # A73107)

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.

Description
GSS Polyclonal Antibody. Unconjugated. Raised in: Rabbit.

Formulation
Buffer: PBS with 0.01% thiomersal, 50% glycerol,pH7.3

Specificity
Human, Mouse, Rat

Isotype
IgG

Uniprot ID
P48637

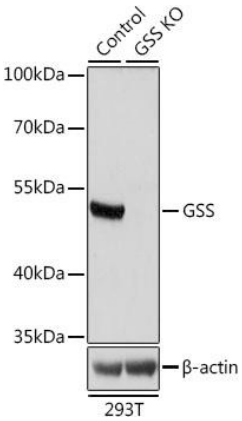
Purification
Affinity Purification

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 373-474 of human GSS (NP_000169.1).

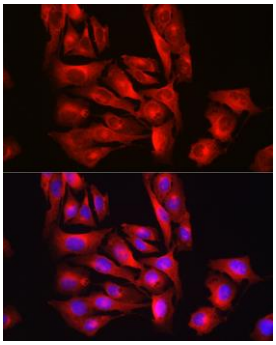
Storage
Shipped at 4°C. Upon receipt, store at -20°C. Avoid freeze / thaw cycles

Alternative Names
GSS; GSHS; HEL-S-64p; HEL-S-88n; glutathione synthetase

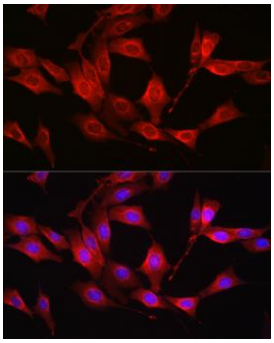
Application
WB, IF/ICC; Recommended Dilutions: WB 1:500 - 1:2000, IF/ICC 1:50 - 1:200



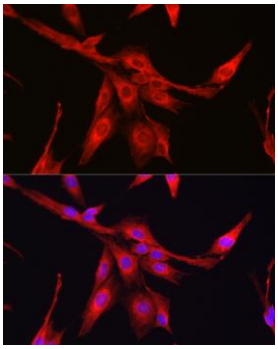
Western blot analysis of extracts from normal (control) and GSS knockout (KO) 293T cells, using GSS Polyclonal Antibody at 1:1000 dilution.
Secondary Antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Exposure time: 5s.



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



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



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