

Datasheet for ABIN7267451

anti-Glutathione Synthetase antibody (AA 373-474)[Go to Product page](#)**4** Images

Overview

Quantity:	100 µL
Target:	Glutathione Synthetase (GSS)
Binding Specificity:	AA 373-474
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glutathione Synthetase antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	[KO Validated] Glutathione Synthetase (GSS) Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 373-474 of human Glutathione Synthetase (Glutathione Synthetase (GSS)) (NP_000169.1).
Sequence:	NLYGEEMVQA LKQLKDSEER ASYILMEKIE PEPFENCLLR PGSPARVVQC ISELGIFGVY VRQEKTLMVN KHVGHLLRTK AIEHADGGVA AGVAVLDPY PV
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification
Grade:	KO Validated

Target Details

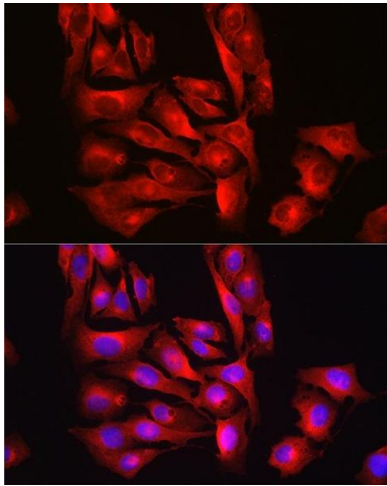
Target:	Glutathione Synthetase (GSS)
Alternative Name:	GSS (GSS Products)
Background:	Glutathione is important for a variety of biological functions, including protection of cells from oxidative damage by free radicals, detoxification of xenobiotics, and membrane transport. The protein encoded by this 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.,GSS,GSHS,HEL-S-64p,HEL-S-88n,Signal Transduction,Cell Biology & Developmental Biology,Endocrine & Metabolism,Amino acid metabolism,Drug metabolism,Neuroscience,GSS
Molecular Weight:	40kDa/52kDa
Gene ID:	2937
UniProt:	P48637
Pathways:	Warburg Effect

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

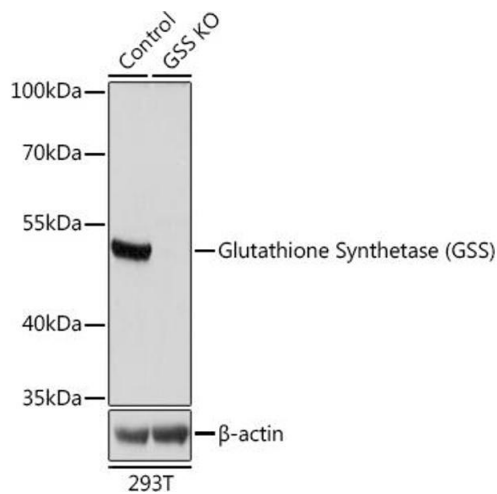
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



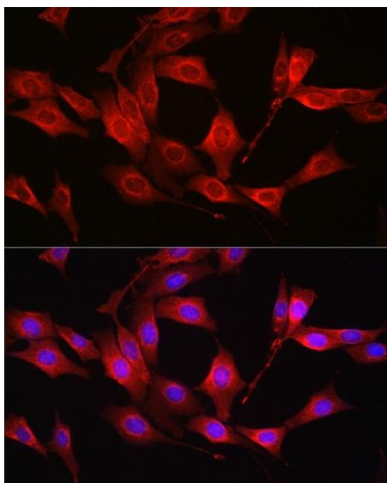
Immunofluorescence

Image 1. Immunofluorescence analysis of U2OS cells using [KO Validated] Glutathione Synthetase (GSS) Rabbit pAb (ABIN7267451) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. 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 (ABIN7267451) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.



Immunofluorescence

Image 3. Immunofluorescence analysis of NIH/3T3 cells using [KO Validated] Glutathione Synthetase (GSS) Rabbit pAb (ABIN7267451) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7267451.