Rabbit GSS Polyclonal Antibody | anti-GSS antibody

GSS Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290192	**Rabbit**	**Human (Predicted Reactivity: Bovine, Monkey, Mouse, Rat)**	**Western Blot, Immunofluorescence, Immunohistochemistry, ELISA**

PRODUCT SYNONYMS

GSS; Polyclonal Antibody; GSS Antibody (C-term); Glutathione synthetase; GSH synthetase; GSH-S; Glutathione synthase; anti-GSS antibody

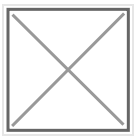
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Monkey, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GSS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 372-400 amino acids from the C-terminal region of human GSS.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	372-400
Sequence Length	363
Applicable Applications for anti-GSS antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

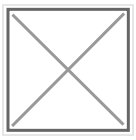
IMAGES

WB (Western Blot)
GSS Antibody (C-term) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the GSS antibody detected the GSS protein (arrow).

WB (Western Blot)
GSS Antibody (C-term) western blot analysis in Hela,293T,MDA-MB-453 cell line and mouse liver tissue lysates (35ug/lane).This demonstrates the GSS antibody detected the GSS protein (arrow).



IF (Immunofluorescence)
Fluorescent image of U-87 MG cells stained with GSS Antibody (C-term). AAA290192 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).



IHC (Immunohiostchemistry)
Immunohistochemical analysis of paraffin-embedded H. stomach section using GSS Antibody (C-term). AAA290192 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

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Immunohistochemical analysis of paraffin-embedded H. stomach section using GSS Antibody (C-term). AAA290192 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

ADDITIONAL INFORMATION

Related Product Information for anti-GSS antibody	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. GSS 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.
Product Categories/Family for anti-GSS antibody	Crown Antibodies; Cell Biology; Metabolism; Signal Transduction
References	Starr,J.M., et.al., Mech. Ageing Dev. 129 (12), 745-751 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504169
NCBI GeneID	2937
NCBI Accession #	NP_000169.1
NCBI GenBank Nucleotide #	NM_000178.2
UniProt Accession #	P48637; Q4TTD9; B2R697; B6F210; E1P5P9
Molecular Weight	52385
NCBI Official Full Name	glutathione synthetase
NCBI Official Synonym Full Names	glutathione synthetase
NCBI Official Symbol	GSS
NCBI Official Synonym Symbols	GSHS; HEL-S-64p; HEL-S-88n
NCBI Protein Information	glutathione synthetase
UniProt Protein Name	Glutathione synthetase
UniProt Gene Name	**GSS**
UniProt Synonym Gene Names	GSH synthetase; GSH-S
UniProt Entry Name	GSHB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.