

Rabbit GSS Polyclonal Antibody | anti-GSS antibody

GSS Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325995	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

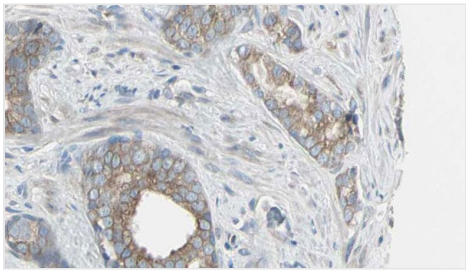
PRODUCT SYNONYMS

GSS; Polyclonal Antibody; GSS Antibody; epididymis secretory sperm binding protein Li 64p; epididymis secretory sperm binding protein Li 88n; Glutathione synthase; Glutathione synthetase; GSH S; GSH synthetase; GSH-S; GSHB_HUMAN; GSHS; HEL-S-64p; HEL-S-88n; MGC14098; OTTHUMP00000030711; anti-GSS antibody

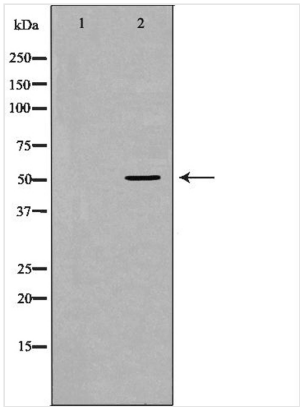
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GSS antibody detects endogenous levels of total GSS
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	474
Applicable Applications for anti-GSS antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GSS
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (83%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (92%), Chicken (100%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

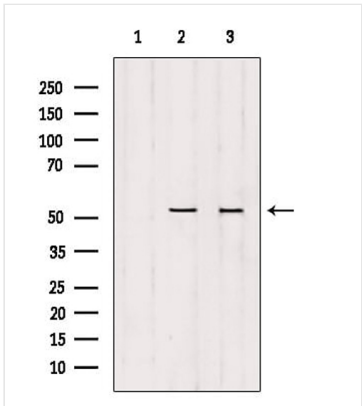
IMAGES



IHC (Immunohistochemisry)
AAA325995 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Mouse liver tissue lysates, using GSS Antibody. The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)
Western blot analysis of extracts from various samples, using GSS Antibody. Lane 1: HepG2 treated with blocking peptide. Lane 2: HepG2; Lane 3: Mouse Myeloma cell;

ADDITIONAL INFORMATION

Related Product Information for anti-GSS antibody	Description: 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] Function: ATP + gamma-L-glutamyl-L-cysteine + glycine = ADP + phosphate + glutathione. Subunit Structure: Homodimer. Similarity: Belongs to the eukaryotic GSH synthase family.
References	Qiu H, Ma J, Wu H, Ding C; Journal: Naunyn Schmiedebergs Arch Pharmacol. DL-3-n-butylphthalide improves ventricular function, and prevents ventricular remodeling and arrhythmias in post-MI rats.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504169
NCBI GeneID	2937
NCBI Accession #	NP_000169.1
NCBI GenBank Nucleotide #	NM_000178.4
UniProt Accession #	P48637; Q4TTD9; B2R697; B6F210; E1P5P9

Molecular Weight	Observed: 52 kDa Predicted: 53 kDa
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

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gss-antibody-immunohistochemistry-western-blot-elisa/325995>