

Rabbit anti-Human GSS/Glutathione Synthetase Polyclonal Antibody | anti-GSS antibody

Anti-GSS/Glutathione Synthetase Antibody, Rabbit Polyclonal

CATALOG # AAA255171	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

GSS/Glutathione Synthetase; Polyclonal Antibody; Anti-GSS/Glutathione Synthetase Antibody; Rabbit Polyclonal; GSS/Glutathione Synthetase Antibody; Rabbit PAb; Antigen Affinity Purified; glutathione synthetase; Anti-GSHS Antibody; Anti-HEL-S-64p Antibody; Anti-HEL-S-88n Antibody; anti-GSS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human GSS/Glutathione Synthetase
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-GSS antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the center region of the Human GSS/Glutathione Synthetase
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human GSS/Glutathione Synthetase, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human GSS in human liver with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human GSS in human kidney with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-GSS antibody	GSS (Glutathione Synthetase) is a Protein Coding gene. 2 alternatively spliced human isoforms have been reported. 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. GSS belongs to the eukaryotic GSH synthase family. Diseases associated with GSS include Glutathione Synthetase Deficiency and Glutathione Synthetase Deficiency Of Erythrocytes, Hemolytic Anemia Due To. Glutathione synthetase deficiency (GSSD) is a rare inborn error of glutathione metabolism with autosomal recessive inheritance. The severe form of the disease is characterized by acute metabolic acidosis, usually present in the neonatal period with hemolytic anemia and progressive encephalopathy.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1346191
NCBI GeneID	2937
UniProt Accession #	P48637; Q4TTD9; B2R697; B6F210; E1P5P9
Molecular Weight	474
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; GSH-S; GSH synthetase; glutathione synthase; epididymis secretory sperm binding protein Li 64p; epididymis secretory sperm binding protein Li 88n
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.