Rabbit anti-Human Glutathione Synthetase (GSS) Monoclonal Antibody | anti-GSS antibody

Glutathione Synthetase (GSS) Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282630	**Rabbit**	**Human**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

PRODUCT SYNONYMS

Glutathione Synthetase (GSS); Monoclonal Antibody; Glutathione Synthetase (GSS) Rabbit mAb; GSHS; HEL-S-64p; HEL-S-88n; anti-GSS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	AIAEALAAPS RFVLKPQREG GGNNLYGEEM VQALKQLKDS EERASYILME KIEPEPFENC LLRPGSPARV VQCISELGIF GVYVRQEKTL VMNKHVGHLL R
Applicable Applications for anti-GSS antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 350-450 of human Glutathione Synthetase (GSS)(P48637).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescence analysis of NIH-3T3 cells using Glutathione Synthetase (GSS) (GSS) Rabbit mAb (AAA282630) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

WB (Western Blot)
Western blot analysis of various lysates using Glutathione Synthetase (GSS) (GSS) Rabbit mAb (AAA282630) at 1?1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 3min.

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. 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.

Product Categories/Family for anti-GSS antibody	Signal Transduction; Cell Biology Developmental Biology; Endocrine Metabolism; Amino acid metabolism; Drug metabolism; Neuroscience; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	1346191
NCBI GeneID	2937
UniProt Accession #	P48637; Q4TTD9; B2R697; B6F210; E1P5P9
Molecular Weight	Calculated MW: 52kDa Observed MW: 52kDa
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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/glutathione-synthetase-gss-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282630