

RecomAb™

GSS recombinant monoclonal antibody, clone R07-5G5

Catalog # RAB02246 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human GSS.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human GSS.
Theoretical MW (kDa)	Calculated MW: 52 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence(1:50-1:200) Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry

- Immunofluorescence

Gene Info — GSS

Entrez GeneID [2937](#)

Protein Accession# [P48637](#)

Gene Name GSS

Gene Alias GSHS, MGC14098

Gene Description glutathione synthetase

Omim ID [231900](#) [266130](#) [601002](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations GSH synthetase|OTTHUMP00000030711|glutathione synthase

Pathway

- [Glutathione metabolism](#)
- [Metabolic pathways](#)

Disease

- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Coronary Artery Disease](#)

- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)