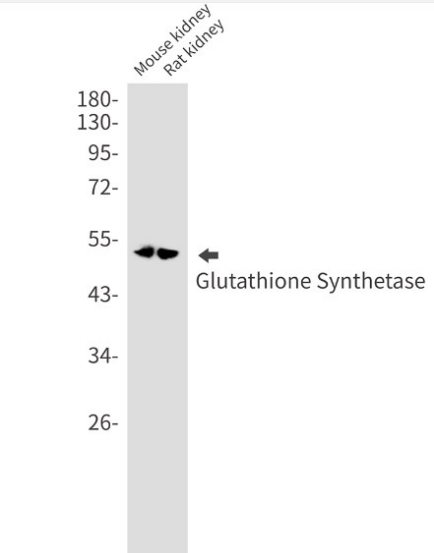
RecomAb™

GSS recombinant monoclonal antibody, clone R07-2B0

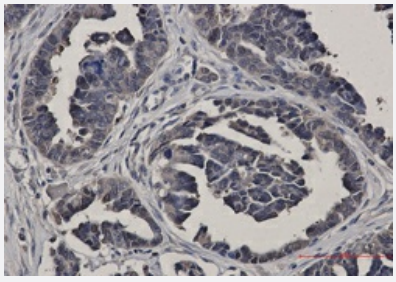
Catalog # RAB01441 Size 100 uL

Applications



Western Blot

Western Blot analysis of mouse kidney, rat kidney lysates with GSS recombinant monoclonal antibody, clone R07-2B0 (Cat # RAB01441).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded Human Cholangiocarcinoma using Glutathione Synthetase antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human GSS.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human GSS.

Theoretical MW (kDa)	Calculated MW: 52 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4, (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot

  Western Blot analysis of mouse kidney, rat kidney lysates with GSS recombinant monoclonal antibody, clone R07-2B0 (Cat # RAB01441).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemistry analysis of paraffin-embedded Human Cholangiocarcinoma using Glutathione Synthetase antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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 oxid ative 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 biosynt hesis, which is the ATP-dependent conversion of gamma-L-glutamyl-L-cysteine to glutathione. De fects 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