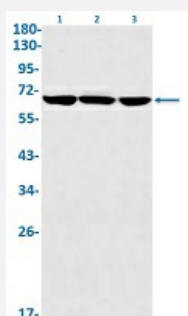


RecomAb™

GLS recombinant monoclonal antibody, clone R08-3D8

Catalog # RAB02251 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: K562, Lane 2: 3T3 and Lane 3: Hela lysates with GLS recombinant monoclonal antibody, clone R08-3D8 (Cat # RAB02251).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human GLS.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human GLS.
Theoretical MW (kDa)	Calculated MW: 73 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence(1:50-1:200) Immunoprecipitation(1:20) 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

Western Blot analysis of Lane 1: K562, Lane 2: 3T3 and Lane 3: Hela lysates with GLS recombinant monoclonal antibody, clone R08-3D8 (Cat # RAB02251).

- Immunofluorescence

- Immunoprecipitation

Gene Info — GLS

Entrez GeneID [2744](#)

Protein Accession# [O94925](#)

Gene Name GLS

Gene Alias AAD20, DKFZp686O15119, FLJ10358, GLS1, KIAA0838

Gene Description glutaminase

Omim ID [138280](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Sahai (1983) [PubMed 6825316] demonstrated phosphate-activated glutaminase (EC 3.5.1.2) in human platelets. It is the major enzyme yielding glutamate from glutamine. Significance of the enzyme derives from its possible implication in behavior disturbances in which glutamate acts as a neurotransmitter (Prusiner, 1981). High heritability of platelet glutaminase was indicated by studies of Sahai and Vogel (1983) [PubMed 6682827] who found an intraclass correlation coefficient of 0.96 for monozygotic twins and 0.53 for dizygotic twins.[supplied by OMIM]

Other Designations

K-glutaminase|L-glutamine amidohydrolase|glutaminase C|glutaminase, phosphate-activated

Pathway

- [Alanine](#)
- [Arginine and proline metabolism](#)
- [D-Glutamine and D-glutamate metabolism](#)
- [Metabolic pathways](#)
- [Nitrogen metabolism](#)

Disease

- [Birth Weight](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hepatic Encephalopathy](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Weight Gain](#)