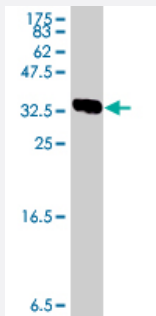


GLS polyclonal antibody (A01)

Catalog # H00002744-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (36.01 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant GLS.
Immunogen	GLS (NP_055720, 580 a.a. ~ 669 a.a) partial recombinant protein with GST tag.
Sequence	EQRDYDSRTALHVAAGHVEVVKFLLEACKVNPFPKDRWNNTPMDEALHFGHHDVFKILQEYQ VQYTPQGSDNGKENQTVHKNLDGLL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.01 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — GLS

Entrez GeneID [2744](#)

GeneBank Accession# [NM_014905](#)

Protein Accession# [NP_055720](#)

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

Publication Reference

- [MYC regulates the unfolded protein response and glucose and glutamine uptake in endocrine resistant breast cancer.](#)

Shajahan-Haq AN, Cook KL, Schwartz-Roberts JL, Eltayeb AE, Demas DM, Warri AM, Facey CO, Hilakivi-Clarke LA, Clarke R. Molecular Cancer 2014 Oct; 13:239.

Application: WB-Tr, Human, LCC1, LCC9, LCC, LCC2, LY2 cells

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](#)