



Anti-GLS (aa 580-669) polyclonal antibody (DPAB-DC1387)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes the K-type mitochondrial glutaminase. The encoded protein is an phosphate-activated amidohydrolase that catalyzes the hydrolysis of glutamine to glutamate and ammonia. This protein is primarily expressed in the brain and kidney plays an essential role in generating energy for metabolism, synthesizing the brain neurotransmitter glutamate and maintaining acid-base balance in the kidney. Alternate splicing results in multiple transcript variants.
Immunogen	GLS (NP_055720, 580 a.a. ~ 669 a.a) partial recombinant protein with GST tag. The sequence is EQRDYDSRTALHAAAEGHVEVVKFLLEACKVNPPFKDRWNNTPMDEALHFGHHDVFKIL QEYQVQYTPQGDSDNGKENQTVHKNLDGLL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GLS glutaminase [Homo sapiens (human)]
Official Symbol	GLS
Synonyms	GLS; glutaminase; GAC; GAM; KGA; GLS1; AAD20; glutaminase kidney isoform, mitochondrial; K-glutaminase; glutaminase C; L-glutamine amidohydrolase; glutaminase, phosphate-activated;
Entrez Gene ID	2744
Protein Refseq	NP_001243239
UniProt ID	O94925
Chromosome Location	2q32-q34
Pathway	Alanine, aspartate and glutamate metabolism; Amino acid synthesis and interconversion (transamination); Arginine and proline metabolism; D-Glutamine and D-glutamate metabolism
Function	glutaminase activity; protein binding;
