



Anti-GSR (aa 413-522) polyclonal antibody (DPAB-DC1486)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the class-I pyridine nucleotide-disulfide oxidoreductase family. This enzyme is a homodimeric flavoprotein. It is a central enzyme of cellular antioxidant defense, and reduces oxidized glutathione disulfide (GSSG) to the sulfhydryl form GSH, which is an important cellular antioxidant. Rare mutations in this gene result in hereditary glutathione reductase deficiency. Multiple alternatively spliced transcript variants encoding different isoforms have been found.
Immunogen	GSR (NP_000628, 413 a.a. ~ 522 a.a) partial recombinant protein with GST tag. The sequence is TVVFSHPPIGTVGLTEDEAIHKYGIENVKTYSTSFTPMYHAVTKRKTKCVMKMCANKEE KVVGIHMQGLGCDEMLQGFVAVKMGATKADFDNTVAIHPTSSEELVTLR
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	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	GSR glutathione reductase [Homo sapiens (human)]
Official Symbol	GSR
Synonyms	GSR; glutathione reductase; HEL-75; glutathione reductase, mitochondrial; GR; GRase; epididymis luminal protein 75;
Entrez Gene ID	2936
Protein Refseq	NP_000628
UniProt ID	P00390
Chromosome Location	8p21.1
Pathway	Cellular responses to stress; Glutathione metabolism; Metabolism of nucleotides; Selenium Pathway
Function	NADP binding; electron carrier activity; flavin adenine dinucleotide binding; glutathione-disulfide reductase activity