

Rabbit anti-Human, Rat GSR Polyclonal Antibody | anti-GSR antibody

GSR Antibody

CATALOG # AAA327494	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS ELISA, Western Blot
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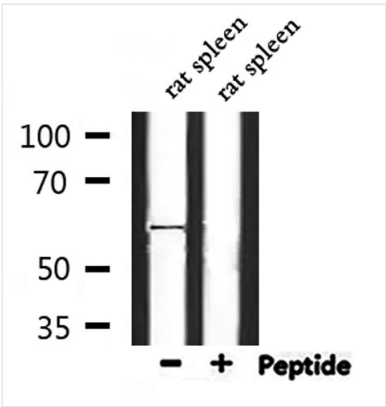
PRODUCT SYNONYMS

GSR; Polyclonal Antibody; GSR Antibody; GLR1; GLUR; Glutathione reductase; Glutathione reductase mitochondrial; mitochondrial; GR; Gr1; GRase; GRD 1; GRD1; GSHR_HUMAN; MGC78522; anti-GSR antibody

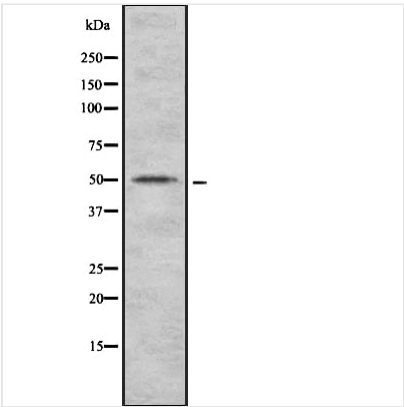
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GSR antibody detects endogenous levels of total GSR
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	522
Applicable Applications for anti-GSR antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human GSR
Subcellular Location	Cytoplasm and Mitochondrion.
Predicted Cross Reactivity	Bovine, Horse, Rabbit, Dog, Chicken, Xenopus
Similarity	Bovine (100%), Horse (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from rat spleen, using GSR Antibody.



WB (Western Blot)
Western blot analysis GSR using HeLa whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-GSR antibody	Function: Maintains high levels of reduced glutathione in the cytosol. Subunit Structure: Homodimer; disulfide-linked. Similarity: Each subunit can be divided into 4 domains that are consecutive along the polypeptide chain. Domains 1 and 2 bind FAD and NADPH, respectively. Domain 4 forms the interface. Belongs to the class-I pyridine nucleotide-disulfide oxidoreductase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50301238
NCBI GeneID	2936
NCBI Accession #	NP_000628.2
NCBI GenBank Nucleotide #	NM_000637.4
UniProt Accession #	P00390; Q7Z5C9; Q9NP63; C8KIL8; C8KIL9; C8KIM0; D3DSV3
Molecular Weight	Observed: 56 kDa Predicted: 57 kDa
NCBI Official Full Name	glutathione reductase, mitochondrial isoform 1
NCBI Official Synonym Full Names	glutathione-disulfide reductase
NCBI Official Symbol	GSR
NCBI Official Synonym Symbols	GR; HEL-75; HEL-S-122m
NCBI Protein Information	glutathione reductase, mitochondrial
UniProt Protein Name	Glutathione reductase, mitochondrial
UniProt Gene Name	GSR
UniProt Synonym Gene Names	GLUR; GRD1; GR; GRase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.