

Rabbit GSR Polyclonal Antibody | anti-GSR antibody

GSR antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23553	Rabbit	Tested Reactivity: Human, Mouse, Zebrafish Predicted Reactivity: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Immunohistochemistry, Western Blot

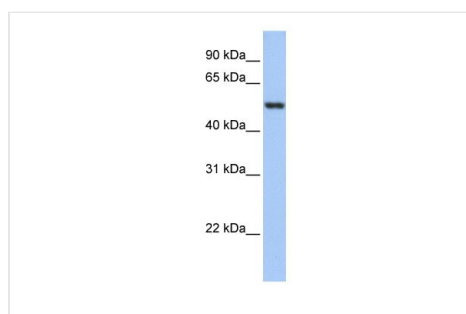
PRODUCT SYNONYMS

GSR; Polyclonal Antibody; GSR antibody - N-terminal region; anti-GSR antibody

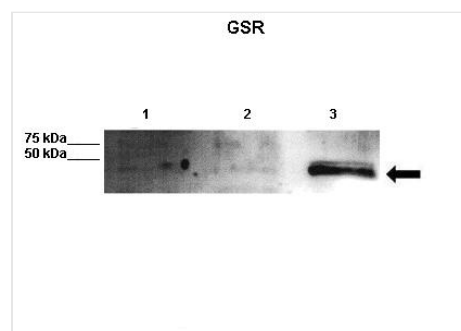
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Reactivity: Human, Mouse, Zebrafish Predicted Reactivity: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	Batch dependent within range: 100 ul at 0.5 - 1 mg/ml (varies by lot)
Sequence	PTIEVSGKKY TAPHILIATG GMPSTPHESQ IPGASLGITS DGFFQLEELP
Applicable Applications for anti-GSR antibody	IHC (Immunohistochemistry), WB (Western Blot)
Protein Size (# AA)	522 amino acids
Protein Interactions	SUMO1; CNDP2; GINS2; PROSC; AHSA1; NDRG1; DDX39A; NAMPT; KYNU; DDX39B; RPS6KA1; PEPD; MVD; LDHA; HSPD1; GBP2; EEF2; ADSS; C11orf49; UBC; FOLR1; ISG15; ELAVL1; SUMO4; PJA1; OCM; GSR;
Preparation and Storage	For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

IMAGES

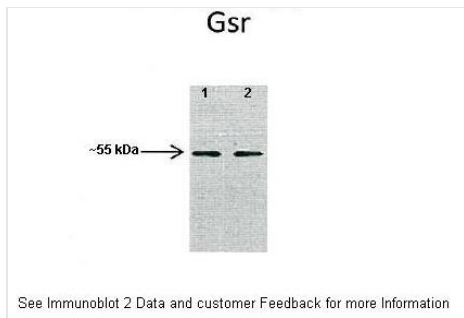


WB (Western Blot)

WB Suggested Anti-GSR Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:312500
Positive Control: Hela cell lysate


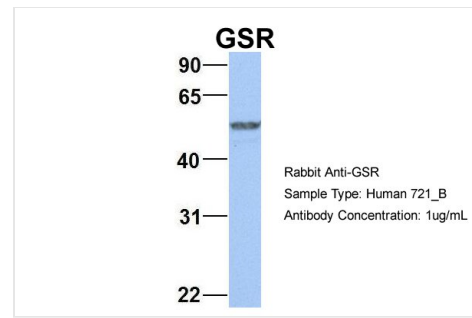
WB (Western Blot)

WB Suggested Anti-GSR Antibody
Positive Control: Lane 1: 10ug untreated zebrafish head lysate
Lane 2: 10ug 3hr H2O2 treated zebrafish head lysate
Lane 3: 10ug 6hr H2O2 treated zebrafish head lysate
Primary Antibody Dilution : 1:1000
Secondary Antibody : Anti rabbit-HRP
Secondary Antibody Dilution : 1:10,000
Submitted by: Dr. Yuk Fai Leung, Purdue University



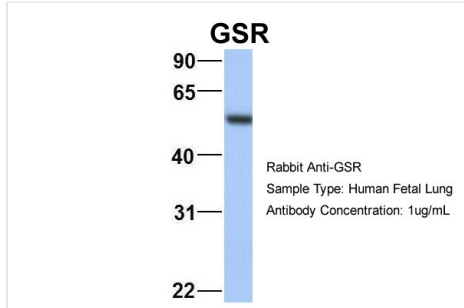
WB (Western Blot)

Lanes:1: 40ug mouse heart lysate, 2: 40ug mouse skeletal muscle lysate
 Primary Antibody Dilution:1:1000
 Secondary Antibody:Anti-rabbit HRP
 Secondary Antibody Dilution:1:10000
 Gene Name:GSR
 Submitted by:Anonymous



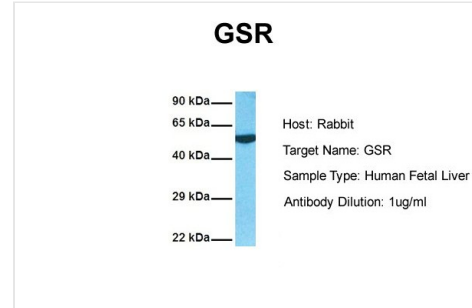
WB (Western Blot)

Host: Rabbit
 Target Name: WT1
 Sample Type: 721_B
 Antibody Dilution: 1.0ug/mL
 GSR is supported by BioGPS gene expression data to be expressed in 721_B



WB (Western Blot)

Host: Rabbit
 Target Name: NSUN6
 Sample Type: Human Fetal Lung
 Antibody Dilution: 1.0ug/mL



WB (Western Blot)

Host: Rabbit
 Target Name: GSR
 Sample Tissue: Human Fetal Liver
 Antibody Dilution: 1.0ug/mL

ADDITIONAL INFORMATION

Related Product Information for anti-GSR antibody	GSR belongs to the class-I pyridine nucleotide-disulfide oxidoreductase family. It maintains high levels of reduced glutathione in the cytosol. Both glutathione and glutathione reductase are inducible by D3T, and that upregulation of GSH biosynthesis underlies D3T-mediated cytoprotection against ROS/RNS-elicited injury to human vascular smooth muscle cells.
Product Categories/Family for anti-GSR antibody	Polyclonal ; Signal Proteins ; Drugs and Drug Metabolism ; Cardiovascular ; Chromatin & Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	50301238
NCBI GeneID	2936
NCBI Accession #	NP_000628
NCBI GenBank Nucleotide #	NM_000637
UniProt Accession #	P00390
Molecular Weight	56kDa
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
UniProt Entry Name	GSHR_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gsr-antibody-immunohistochemistry-western-blot-elisa/23553>