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# GSR Antibody (C-term) Blocking peptide

**Synthetic peptide**
**Catalog # BP12046b**

## Specification

### GSR Antibody (C-term) Blocking peptide - Product Information

Primary Accession P00390

### GSR Antibody (C-term) Blocking peptide - Additional Information

**Gene ID** 2936

**Other Names**
Glutathione reductase, mitochondrial, GR, GRase, GSR, GLUR, GRD1

**Format**
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### GSR Antibody (C-term) Blocking peptide - Protein Information

**Name** GSR

**Synonyms** GLUR, GRD1

**Function**
Maintains high levels of reduced glutathione in the cytosol.

**Cellular Location**
[Isoform Mitochondrial]: Mitochondrion.

### GSR Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

### GSR Antibody (C-term) Blocking peptide - Images

### GSR Antibody (C-term) Blocking peptide - Background

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This gene encodes a member of the class-I pyridinenucleotide-disulfide oxidoreductase family. This enzyme is ahomodimeric flavoprotein. It is a central enzyme of cellularantioxidant defense, and reduces oxidized glutathione disulfide(GSSG) to the sulfhydryl form GSH, which is an important cellularantioxidant. Rare mutations in this gene result in hereditaryglutathione reductase deficiency. Multiple alternatively splicedtranscript variants encoding different isoforms have been found.

**GSR Antibody (C-term) Blocking peptide - References**

Satoh, N., et al. Biochem. Genet. 48 (9-10), 816-821 (2010) :Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Wang, Y., et al. J. Hum. Genet. 55(8):490-494(2010)Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Moyer, A.M., et al. Cancer Epidemiol. Biomarkers Prev. 19(3):811-821(2010)