

**GLO1 Antibody (Center) Blocking peptide**  
Synthetic peptide  
Catalog # BP12898c

**Specification**

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**GLO1 Antibody (Center) Blocking peptide - Product Information**

Primary Accession [Q04760](#)

**GLO1 Antibody (Center) Blocking peptide - Additional Information**

Gene ID 2739

**Other Names**

Lactoylglutathione lyase, Aldoketomutase, Glyoxalase I, Glx I, Ketone-aldehyde mutase, Methylglyoxalase, S-D-lactoylglutathione methylglyoxal lyase, GLO1

**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.

**GLO1 Antibody (Center) Blocking peptide - Protein Information**

Name GLO1

**Function**

Catalyzes the conversion of hemimercaptal, formed from methylglyoxal and glutathione, to S-lactoylglutathione (PubMed: [20454679](http://www.uniprot.org/citations/20454679), PubMed: [23122816](http://www.uniprot.org/citations/23122816), PubMed: [9705294](http://www.uniprot.org/citations/9705294)). Involved in the regulation of TNF-induced transcriptional activity of NF-kappa-B (PubMed: [19199007](http://www.uniprot.org/citations/19199007)). Required for normal osteoclastogenesis (By similarity).

**GLO1 Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**GLO1 Antibody (Center) Blocking peptide - Images**

### **GLO1 Antibody (Center) Blocking peptide - Background**

The enzyme encoded by this gene is responsible for the catalysis and formation of S-lactoyl-glutathione from methylglyoxal condensation and reduced glutathione. Glyoxalase I is linked to HLA and is localized to 6p21.3-p21.1, between HLA and the centromere.

### **GLO1 Antibody (Center) Blocking peptide - References**

Saus, E., et al. J Psychiatr Res 44(14):971-978(2010) Naidu, R., et al. Pathol. Int. 60(9):614-620(2010) Santarius, T., et al. Genes Chromosomes Cancer 49(8):711-725(2010) Kovanen, L., et al. Alcohol Alcohol. 45(4):303-311(2010) Krechler, T., et al. Clin. Biochem. 43 (10-11), 882-886 (2010) :