

GLO1 / Glyoxalase I Antibody (aa1-184)
Rabbit Polyclonal Antibody
Catalog # ALS16215**Specification**

GLO1 / Glyoxalase I Antibody (aa1-184) - Product Information

Application	WB, ICC, IHC
Primary Accession	Q04760
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21kDa KDa

GLO1 / Glyoxalase I Antibody (aa1-184) - Additional Information**Gene ID** 2739**Other Names**

Lactoylglutathione lyase, 4.4.1.5, Aldoketomutase, Glyoxalase I, Glx I, Ketone-aldehyde mutase, Methylglyoxalase, S-D-lactoylglutathione methylglyoxal lyase, GLO1

Target/Specificity

Human GLO1 / Glyoxalase I

Reconstitution & Storage

Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Precautions

GLO1 / Glyoxalase I Antibody (aa1-184) is for research use only and not for use in diagnostic or therapeutic procedures.

GLO1 / Glyoxalase I Antibody (aa1-184) - Protein Information**Name** GLO1**Function**

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

Volume

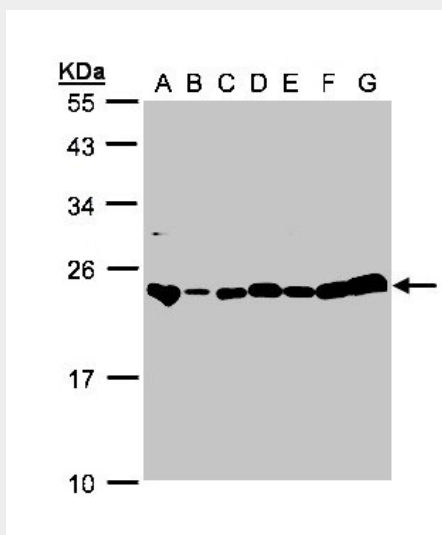
50 µl

GLO1 / Glyoxalase I Antibody (aa1-184) - Protocols

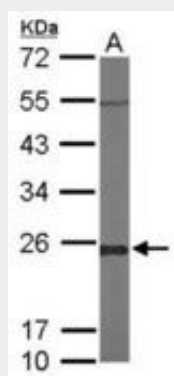
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

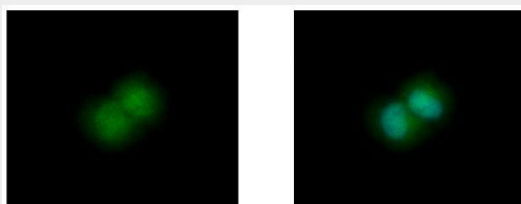
GLO1 / Glyoxalase I Antibody (aa1-184) - Images



Sample (30g whole cell lysate).



Sample (50 ug of whole cell lysate).



Glyoxalase I antibody [N1C3] detects GLO1 protein at cytoplasm and nucleus by immunofluorescent...



Anti-GLO1 / Glyoxalase I antibody IHC staining of human small intestine.

GLO1 / Glyoxalase I Antibody (aa1-184) - Background

Catalyzes the conversion of hemimercaptal, formed from methylglyoxal and glutathione, to S-lactoylglutathione. Involved in the regulation of TNF-induced transcriptional activity of NF-kappa-B. Required for normal osteoclastogenesis.

GLO1 / Glyoxalase I Antibody (aa1-184) - References

Kim N.-S.,et al.J. Biol. Chem. 268:11217-11221(1993).
Ranganathan S.,et al.J. Biol. Chem. 268:5661-5667(1993).
Ridderstroem M.,et al.Biochem. J. 314:463-467(1996).
Ranganathan S.,et al.Gene 240:149-155(1999).
Totoki Y.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.