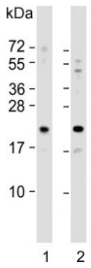
# Glyoxalase I Antibody / GLO1 (F54301)

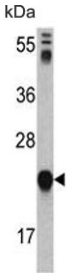
| Catalog No. | Formulation | Size |
|---|---|---|
| F54301-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F54301-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

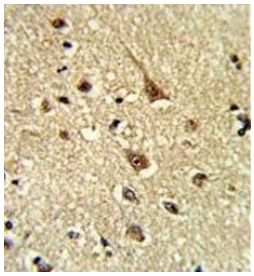
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | SAS precipitation |
| **UniProt** | Q04760 |
| **Applications** | Western blot: 1:500-1:2000<br>Immunohistochemistry (FFPE): 1:25<br>Immunofluorescence: 1:25<br>Flow cytometry: 1:25 (1x10e6 cells) |
| **Limitations** | This Glyoxalase I antibody is available for research use only. |



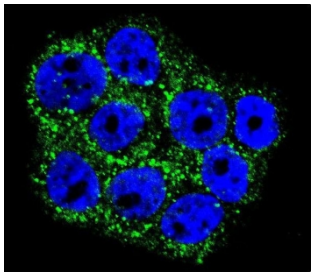

Western blot testing of human 1) HeLa and 2) HepG2 cell lysate with Glyoxalase I antibody. Predicted molecular weight ~21 kDa.



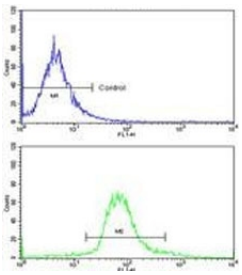

Western blot testing of human HL60 cell lysate with Glyoxalase I antibody. Predicted molecular weight ~21 kDa.



IHC testing of FFPE human brain tissue with Glyoxalase I antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of fixed and permeabilized human WiDr cells with Glyoxalase I antibody (green) and DAPI nuclear stain (blue).



Flow cytometry testing of fixed and permeabilized human WiDr cells with Glyoxalase I antibody; Blue=isotype control, Green= Glyoxalase I antibody.

## Description

The enzyme GLO1 is responsible for the catalysis and formation of S-lactoyl-glutathione from methylglyoxal condensation and reduced glutatione. Glyoxalase I is linked to HLA and is localized to 6p21.3-p21.1, between HLA and the centromere.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the Glyoxalase I antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 23-51 from the human protein were used as the immunogen for the Glyoxalase I antibody.

## Storage

Aliquot the Glyoxalase I antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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