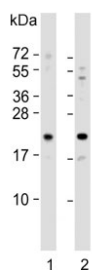


Glyoxalase I Antibody / GLO1 (F54301)

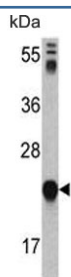
Catalog No.	Formulation	Size
F54301-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54301-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

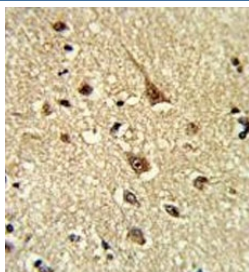
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	SAS precipitation
UniProt	Q04760
Applications	Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:25 Immunofluorescence : 1:25 Flow Cytometry : 1:25 (1x10 ⁶ cells)
Limitations	This Glyoxalase I antibody is available for research use only.



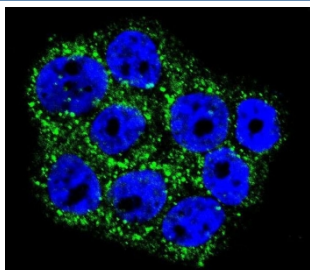
Western blot testing of human 1) HeLa and 2) HepG2 cell lysate with Glyoxalase I antibody. Predicted molecular weight ~21 kDa.



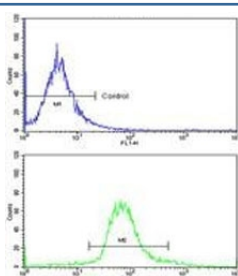
Western blot testing of human HL60 cell lysate with Glyoxalase I antibody. Predicted molecular weight ~21 kDa.



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 glutathione. 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.