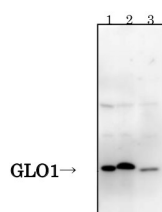


Product no **AS21 4568****Anti-GLO1 | Glyoxalase I (clone 6F10)****Product information**

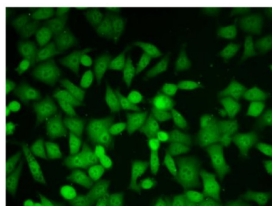
<b>Immunogen</b>	Recombinant, full-length mouse GLO1 UniProt: <a href="#">Q9CPU0</a> fused to GST
<b>Host</b>	Rat
<b>Clonality</b>	Monoclonal
<b>Subclass/isotype</b>	IgG2b kappa
<b>Purity</b>	Proprietary affinity chromatography in PBS. Contains 50% glycerol, filter sterilized.
<b>Format</b>	Liquid
<b>Quantity</b>	100 µg
<b>Storage</b>	Store at -20 °C; make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

**Application information**

<b>Recommended dilution</b>	1 : 1000 (WB)
<b>Expected   apparent MW</b>	27 kDa (mouse, 29 kDa (human, simian))
<b>Confirmed reactivity</b>	Human, simian, mouse
<b>Predicted reactivity</b>	Species of your interest not listed? <a href="#">Contact us</a>
<b>Selected references</b>	<p><a href="#">Jiang</a> et al. (2018). Role of the Glyoxalase System in Alzheimer's Disease. J Alzheimers Dis. 2018;66(3):887-899. doi: 10.3233/JAD-180413. PMID: 30400091.</p> <p><a href="#">Hovatta</a> et al. (2005) Glyoxalase 1 and glutathione reductase 1 regulate anxiety in mice. Nature. 2005 Dec 1;438(7068):662-6. doi: 10.1038/nature04250. Epub 2005 Oct 23. PMID: 16244648.</p> <p><a href="#">Junaid</a> et al. (2004) Proteomic studies identified a single nucleotide polymorphism in glyoxalase I as autism susceptibility factor. Am J Med Genet A. 2004 Nov 15;131(1):11-7. doi: 10.1002/ajmg.a.30349. PMID: 15386471; PMCID: PMC1360505.</p>



Whole cell extracts of simian COS-1 (1), mouse L929 (2), human HeLa (3) were separated on SDS-PAGE and blotted to a PVDF membrane, followed by blocking in 5 % non-fat milk for 1h/RT. The primary antibody was incubated at 1: 1000 for 1 h/RT, followed by washes and incubation with a secondary anti-rat IgG HRP conjugated antibodies, used at 1: 10 000 1h/RT. The reaction was developed using chemiluminescence following manufacture's recommendations.



Immunofluorescent staining of HeLa cells with anti-GLO1 antibodies. Cells were fixed with 4 % paraformaldehyde, permeabilized with 0.2 % Triton X-100. The primary antibodies were used at 1: 500 and the secondary antibodies, goat anti-rat IgG, FITC conjugated were used at 1: 5000.