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Product no AS21 4568

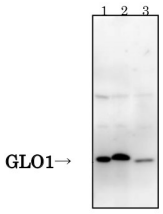
Anti-GLO1 | Glyoxalase I (clone 6F10)

Product information

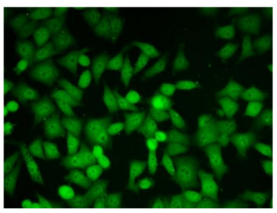
Immunogen	Recombinant, full-length mouse GLO1 UniProt: Q9CPU0 fused to GST
Host	Rat
Clonality	Monoclonal
Subclass/isotype	IgG2b kappa
Purity	Proprietary affinity chromatography in PBS. Contains 50% glycerol, filter sterilized.
Format	Liquid
Quantity	100 µg
Storage	Store at -20°C; make aliquots to avoid 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

Recommended dilution	1 : 1000 (WB)
Expected | apparent MW	27 kDa (mouse, 29 kDa (human, simian)
Confirmed reactivity	Human, simian, mouse
Predicted reactivity	Species of your interest not listed? Contact us
Selected references	Jiang 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. Hovatta 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. Junaid 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.



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, permabilized 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.