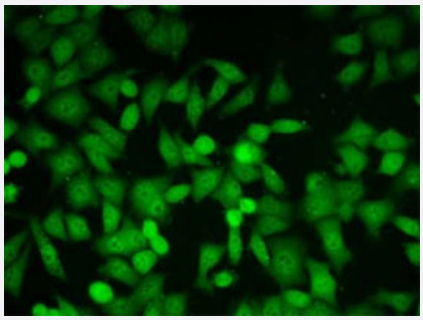
Glo1 monoclonal antibody, clone 6F10

Catalog # MAB6768 Size 100 ug

Applications



Immunofluorescence

Immunofluorescent staining of HeLa cells with Glo1 monoclonal antibody, clone 6F10 (Cat # MAB6768).



Western Blot (Cell lysate)

Detection of Glo1 protein by Western blotting with Glo1 monoclonal antibody, clone 6F10 (Cat # MAB6768).
Samples are whole cell extracts :
Lane1 : GCOS-1 (simian).
Lane2 : GL929 (mouse).
Lane3 : GHeLa (human).
Mouse Glo1 shows a single band of 27 kDa while human and simian ones show 29 kDa.

Specification

Product Description	Rat monoclonal antibody raised against full length recombinant Glo1.
Immunogen	Recombinant GST fusion protein corresponding to full length mouse Glo1.
Host	Rat
Reactivity	Human, Monkey, Mouse
Specificity	This antibody is specific to Glo1.
Form	Liquid

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Isotype	IgG2b, kappa
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol)
Storage Instruction	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunofluorescence

  Immunofluorescent staining of HeLa cells with Glo1 monoclonal antibody, clone 6F10 (Cat # MAB6768).

- Immunocytochemistry

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Cell lysate)

  Detection of Glo1 protein by Western blotting with Glo1 monoclonal antibody, clone 6F10 (Cat # MAB6768).
  Samples are whole cell extracts :
  Lane1 : GCOS-1 (simian).
  Lane2 : GL929 (mouse).
  Lane3 : GHeLa (human).
  Mouse Glo1 shows a single band of 27 kDa while human and simian ones show 29 kDa.

Gene Info — Glo1

Entrez GeneID	109801
Gene Name	Glo1
Gene Alias	0610009E22Rik, 1110008E19Rik, 2510049H23Rik, AW550643, GLY1, Glo-1, Glo-1r, Glo-1s, Glo1-r, Glo1-s, Qglo
Gene Description	glyoxalase 1
Gene Ontology	Hyperlink
Other Designations	glyoxalase 1 complex|glyoxalase 1 regulatory|glyoxalase 1 structural

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Publication Reference

- Glyoxalase 1 and glutathione reductase 1 regulate anxiety in mice.

  Hovatta I, Tennant RS, Helton R, Marr RA, Singer O, Redwine JM, Ellison JA, Schadt EE, Verma IM, Lockhart DJ, Barlow C.

  Nature 2005 Dec; 438(7068):662.

- Proteomic studies identified a single nucleotide polymorphism in glyoxalase I as autism susceptibility factor.

  Junaid MA, Kowal D, Barua M, Pullarkat PS, Sklower Brooks S, Pullarkat RK.

  American Journal of Medical Genetics. Part A 2004 Nov; 131(1):11.

- Role for glyoxalase I in Alzheimer's disease.

  Chen F, Wollmer MA, Hoerndli F, Munch G, Kuhla B, Rogaev EI, Tsolaki M, Papassotiropoulos A, Gotz J.

  PNAS 2004 May; 101(20):7687.

  Application: IHC, WB, Human, Mouse, Human brain, Mouse brain

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