10320 Camino Santa Fe, Suite G
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KD-Validated Anti-Glyoxalase I Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1524

Specification

KD-Validated Anti-Glyoxalase I Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC**
Primary Accession	Q04760
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 21 kDa , observed, 21 kDa KDa**
Gene Name	**GLO1**
Aliases	**GLO1; Glyoxalase I; Lactoylglutathione Lyase; GLOD1; S-D-Lactoylglutathione Methylglyoxal Lyase; Ketone-Aldehyde Mutase; Methylglyoxalase; Aldoketomutase; EC 4.4.1.5; Glx I; Epididymis Secretory Protein Li 74; Glyoxalase Domain Containing 1; Lactoyl Glutathione Lyase; HEL-S-74; GLYI**
Immunogen	**A synthesized peptide derived from human GLO1**

KD-Validated Anti-Glyoxalase I Rabbit Monoclonal Antibody - Additional Information

Gene ID	**2739**

Other Names
Lactoylglutathione lyase, 4.4.1.5, Aldoketomutase, Glyoxalase I, Glx I, Ketone-aldehyde mutase, Methylglyoxalase, S-D-lactoylglutathione methylglyoxal lyase, GLO1

KD-Validated Anti-Glyoxalase I Rabbit Monoclonal Antibody - Protein Information

Name GLO1

Function
Catalyzes the conversion of hemimercaptal, formed from methylglyoxal and glutathione, to S-lactoylglutathione (PubMed:20454679, PubMed:23122816, PubMed:9705294). Involved in the regulation of TNF-induced transcriptional activity of NF-kappa-B (PubMed:19199007). Required for normal osteoclastogenesis (By similarity).

KD-Validated Anti-Glyoxalase I Rabbit Monoclonal Antibody - Protocols

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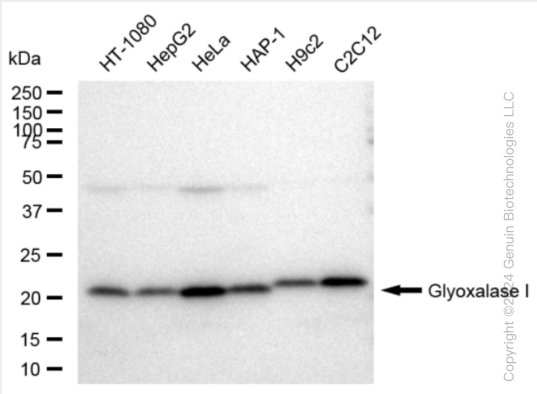
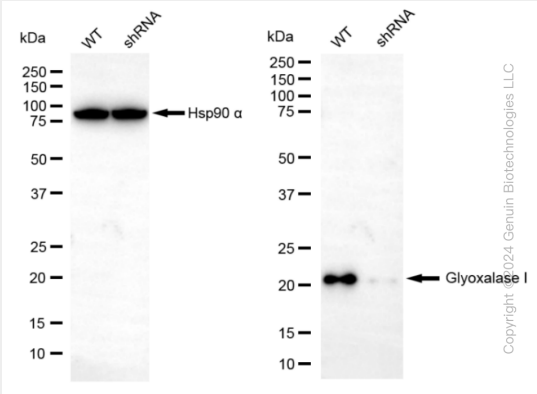
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-Glyoxalase I Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-Glyoxalase I antibody (Cat#AGI1524). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Glyoxalase I antibody (Cat#AGI1524, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Glyoxalase I antibody (Cat#AGI1524). Glyoxalase I expression in wild type (WT) and Glyoxalase I shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Glyoxalase I antibody (Cat#AGI1524, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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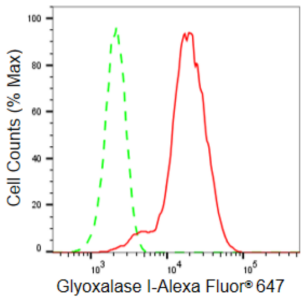

Flow cytometric analysis of Glyoxalase I expression in HeLa cells using Glyoxalase I antibody (Cat#AGI1524, 1:2,000). Green, isotype control; red, Glyoxalase I.