

## Rabbit anti-Human GLO1/Glyoxalase I Polyclonal Antibody | anti-GLO1 antibody

Rabbit anti-GLO1/Glyoxalase I Antibody, Affinity Purified

|                               |                       |                            |                                                          |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------------|
| CATALOG #<br><b>AAA213198</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunoprecipitation, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------------|

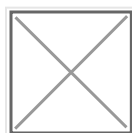
### PRODUCT SYNONYMS

GLO1/Glyoxalase I; Polyclonal Antibody; Rabbit anti-GLO1/Glyoxalase I Antibody; Affinity Purified; HEL-S-74; S-D-lactoylglutathione methylglyoxal lyase; methylglyoxalase; lactoylglutathione lyase; lactoyl glutathione lyase; Glyoxalase I; glyoxalase domain containing 1; GLYI; glx I; GLOD1; epididymis secretory protein Li 74; aldoketomutase; ketone-aldehyde mutase; Lactoylglutathione lyase; glyoxalase I; anti-GLO1 antibody

### PRODUCT SPECIFICATIONS

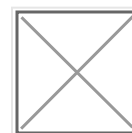
|                                                |                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                    |
| Reactivity                                     | Human                                                                                     |
| Clonality                                      | Polyclonal                                                                                |
| Purity/Purification                            | Antigen Affinity Purified                                                                 |
| Form/Format                                    | Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| Concentration                                  | 1000ug/ml (varies by lot)                                                                 |
| Applicable Applications for anti-GLO1 antibody | IP (Immunoprecipitation), WB (Western Blot)                                               |
| Immunogen                                      | Between 134 and C-terminus                                                                |
| Conjugation                                    | Unconjugated                                                                              |
| Preparation and Storage                        | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                          |

### IMAGES



#### WB (Western Blot)

Detection of human GLO1/Glyoxalase I by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-GLO1/Glyoxalase I antibody AAA213198 (lot AAA213198-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 1 second.



#### IP (Immunoprecipitation)

Detection of human GLO1/Glyoxalase I by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-GLO1/Glyoxalase I antibody AAA213198 (lot AAA213198-1) used for IP at 6 ug per reaction. GLO1/Glyoxalase I was also immunoprecipitated by rabbit anti-GLO1/Glyoxalase I antibody For blotting immunoprecipitated GLO1/Glyoxalase I, AAA213198 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 1 second.

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                             |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GLO1 antibody | Glyoxalase I is responsible for the catalysis and formation of S-lactoyl-glutathione from methylglyoxal condensation and reduced glutathione [taken from NCBI Entrez Gene (Gene ID: 2739)]. |
| Product Categories/Family for anti-GLO1 antibody   | Primary Antibodies                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 118402586                                                                                                                                                                                                                            |
| NCBI GeneID                      | 2739                                                                                                                                                                                                                                 |
| NCBI Accession #                 | NP_006699.2                                                                                                                                                                                                                          |
| NCBI GenBank Nucleotide #        | NM_006708.2                                                                                                                                                                                                                          |
| UniProt Accession #              | Q04760; P78375; Q59EL0; Q5TZW3; Q96FC0; Q96J41; B2R6P7; B4DDV0                                                                                                                                                                       |
| Molecular Weight                 | 19,043 Da                                                                                                                                                                                                                            |
| NCBI Official Full Name          | lactoylglutathione lyase                                                                                                                                                                                                             |
| NCBI Official Synonym Full Names | glyoxalase I                                                                                                                                                                                                                         |
| NCBI Official Symbol             | GLO1                                                                                                                                                                                                                                 |
| NCBI Official Synonym Symbols    | GLYI; GLOD1; HEL-S-74                                                                                                                                                                                                                |
| NCBI Protein Information         | lactoylglutathione lyase; S-D-lactoylglutathione methylglyoxal lyase; aldoketomutase; epididymis secretory protein Li 74; glx I; glyoxalase domain containing 1; ketone-aldehyde mutase; lactoyl glutathione lyase; methylglyoxalase |
| UniProt Protein Name             | Lactoylglutathione lyase                                                                                                                                                                                                             |
| UniProt Gene Name                | GLO1                                                                                                                                                                                                                                 |
| UniProt Synonym Gene Names       | Glx I                                                                                                                                                                                                                                |
| UniProt Entry Name               | LGUL_HUMAN                                                                                                                                                                                                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/glo1-glyoxalase-i-antibody-immunoprecipitation-western-blot-elisa/213198>