

AP21313PU-N**Polyclonal Antibody to Glyoxalase I / GLO1 - Aff - Purified****Alternate names:**

Aldoketomutase, Glx I, Ketone-aldehyde mutase, Methylglyoxalase, S-D-lactoylglutathione methylglyoxal lyase

Quantity:

1 mg

Concentration:

2.0 mg/ml

Background:

The enzyme encoded by GLO1 is responsible for the catalysis and formation of S-lactoyl-glutathione from methylglyoxal condensation and reduced glutathione. GLO is linked to HLA and is localized to 6p21.3-p21.1, between HLA and the centromere.

Uniprot ID:

[P50107](#)

NCBI:

[NP_013710](#)

GeneID:

[855009](#)

Host / Isotype:

Rabbit / IgG

Immunogen:

Glyoxalase isolated and purified from Yeast.
Freund's complete adjuvant is used in the first step of the immunization procedure.

Format:

State: Lyophilized purified hyperimmune IgG fraction
Purification: Solid Phase Affinity Chromatography
Buffer System: PBS, pH 7.2 stabilized with Dextran, without preservatives and foreign proteins
Reconstitution: Restore by adding 0.5 ml of sterile distilled water

Applications:

This product is intended for use in precipitating and non-precipitating antibody-binding assays (such as e.g., ELISA and Western blotting and Immunofluorescence or Histochemical techniques), to prepare an insoluble immuno-affinity adsorbent, for labelling with a marker of choice.

Working Dilutions:

Non-precipitating antibody-binding techniques: 1/1,000-1/10,000.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

The antibody recognizes Glyoxalase from Yeast.
The reagents were evaluated for potency, purity and specificity using most or all of the following techniques: Immunoelectrophoresis, Cross-Immunoelectrophoresis, Single Radial Immunodiffusion (Ouchterlony), block titration, ELISA, Immunoblotting and enzyme inhibition.
Cross-reactivities against enzymes of other sources may occur but have not been determined.
Species: Yeast.
Other species not tested.

Storage:

Store the antibody lyophilized at 2-8°C and reconstituted at 2-8°C for one week or (in aliquots) at -20°C for longer.

If a slight precipitation occurs upon storage, this should be removed by centrifugation.

Shelf life: one year from despatch.