

# Product datasheet

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ARG58847 anti-GLO1 antibody

Package: 100 μl Store at: -20°C

## **Summary**

Product Description Rabbit Polyclonal antibody recognizes GLO1

Tested Reactivity Hu, Ms

Tested Application ICC/IF, IHC-P, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name GLO1

Species Human

Immunogen Recombinant fusion protein corresponding to aa. 1-184 of Human GLO1 (NP\_006699.2).

Conjugation Un-conjugated

Alternate Names 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

## **Application Instructions**

Application	Dilution
ICC/IF	1:50 - 1:200
IHC-P	1:50 - 1:200
WB	1:500 - 1:2000
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
22Rv1	
21 kDa	
	ICC/IF IHC-P WB * The dilutions indicate recomm should be determined by the sci 22Rv1

## **Properties**

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

#### Bioinformation

Gene Symbol GLO1

Gene Full Name glyoxalase I

Background The enzyme encoded by this gene is responsible for the catalysis and formation of S-lactoyl-glutathione

from methylglyoxal condensation and reduced glutatione. Glyoxalase I is linked to HLA and is localized

to 6p21.3-p21.1, between HLA and the centromere. [provided by RefSeq, Jul 2008]

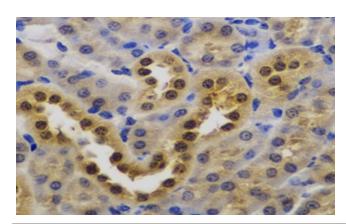
Function Catalyzes the conversion of hemimercaptal, formed from methylglyoxal and glutathione, to S-

lactoylglutathione. [UniProt]

Calculated Mw 21 kDa

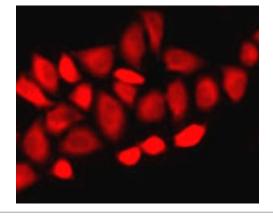
PTM Acetylation, Disulfide bond, Glutathionylation, Phosphoprotein. [UniProt]

## **Images**



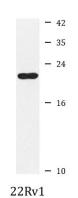
#### ARG58847 anti-GLO1 antibody IHC-P image

Immunohistochemistry: Mouse kidney stained with ARG58847 anti-GLO1 antibody at 1:300 dilution.



#### ARG58847 anti-GLO1 antibody ICC/IF image

 $Immun of luorescence: A-549 \ cells \ stained \ with \ ARG58847 \ anti-GLO1 \ antibody.$ 



## ARG58847 anti-GLO1 antibody WB image

Western blot: 25  $\mu\text{g}$  of 22Rv1 cell lysate stained with ARG58847 anti-GLO1 antibody at 1:1000 dilution.

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