


## Product datasheet

# Anti-GLO1 antibody ab96032

★★★★★ 3 Abreviews 7 References 3 Images

### Overview

<b>Product name</b>	Anti-GLO1 antibody
<b>Description</b>	Rabbit polyclonal to GLO1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human <b>Predicted to work with:</b> Mouse, Cow 
<b>Immunogen</b>	Recombinant protein fragment corresponding to a region within amino acids 1 and 171 of GLO1 (NP_006699).
<b>Positive control</b>	WB: 293T, A431, H1299, HeLaS3, HepG2, MOLT and Raji cell lysates IHC-P: ovarian carcinoma tissue ICC/IF: HeLa cells

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.01% Thimerosal (merthiolate) Constituents: 10% Glycerol, 0.1M Tris, 0.1M Glycine, pH 7
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab96032** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 21 kDa.

Application	Abreviews	Notes
IHC-P	★★★★★	1/100 - 1/250.
ICC/IF		1/100 - 1/200.

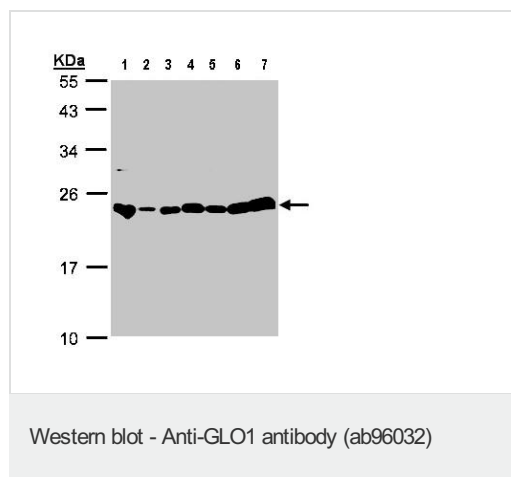
## Target

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

**Pathway** Secondary metabolite metabolism; methylglyoxal degradation; (R)-lactate from methylglyoxal: step 1/2.

**Sequence similarities** Belongs to the glyoxalase I family.

## Images



**All lanes** : Anti-GLO1 antibody (ab96032) at 1/1000 dilution

**Lane 1** : 293T whole cell lysate

**Lane 2** : A431 whole cell lysate

**Lane 3** : H1299 whole cell lysate

**Lane 4** : HeLa whole cell lysate

**Lane 5** : HepG2 whole cell lysate

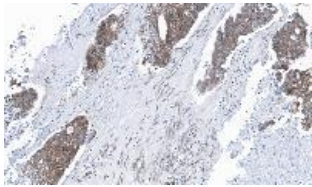
**Lane 6** : MOLT4 whole cell lysate

**Lane 7** : Raji whole cell lysate

Lysates/proteins at 30 µg per lane.

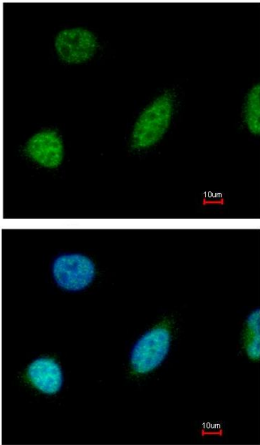
**Predicted band size:** 21 kDa

12% SDS PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GLO1 antibody (ab96032)

Immunohistochemical analysis of GLO1 in paraffin embedded ovarian carcinoma tissue, using ab96032 at a 1/100 dilution.



Immunocytochemistry/ Immunofluorescence - Anti-GLO1 antibody (ab96032)

Immunofluorescence analysis of GLO1 in paraformaldehyde fixed HeLa, using ab96032 at a 1/200 dilution. Lower image: merged with DNA probe.

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