Anti-GLO1 antibody ab96032

Overview

**Product name**  
Anti-GLO1 antibody

**Description**  
Rabbit polyclonal to GLO1

**Host species**  
Rabbit

**Tested applications**  
Suitable for: WB, IHC-P, ICC/IF

**Species reactivity**  
Reacts with: Rat, Human

**Predicted to work with:** Mouse, Cow

**Immunogen**  
Recombinant protein fragment corresponding to a region within amino acids 1 and 171 of GLO1 (NP_006699).

**Positive control**  
WB: 293T, A431, H1299, HeLaS3, HepG2, MOLT and Raji cell lysates  
IHC-P: ovarian carcinoma tissue  
ICC/IF: HeLa cells

Properties

**Form**  
Liquid

**Storage instructions**  
Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

**Storage buffer**  
pH: 7.00  
Preservative: 0.025% Proclin 300  
 Constituents: PBS, 20% Glycerol

**Purity**  
Immunogen affinity purified

**Clonality**  
Polyclonal

**Isotype**  
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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
</table>
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
Immunohistochemical analysis of GLO1 in paraffin embedded human ovarian carcinoma tissue, using ab96032 at a 1/100 dilution.

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

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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