Product datasheet

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: Human
Predicted to work with: Mouse, Rat, 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.

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### 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
![Western blot - Anti-GLO1 antibody (ab96032)](image)

**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 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.

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