

Product datasheet

Anti-GLYR1 antibody ab69277

2 Images

Overview

<b>Product name</b>	Anti-GLYR1 antibody
<b>Description</b>	Mouse polyclonal to GLYR1
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Full length human GLYR1 protein (AAH64940.1)
<b>Positive control</b>	GLYR1 transfected 293T cell lysate

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: None Constituents: 1X PBS, pH 7.2
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab69277** 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
ICC/IF		Use a concentration of 10 µg/ml.
WB		1/500 - 1/1000. Detects a band of approximately 61 kDa (predicted molecular weight: 61 kDa).

## Target

### Function

May have oxidoreductase activity. Regulates p38 MAP kinase activity by mediating stress activation of p38alpha/MAPK14 and specifically regulating MAPK14 signaling. Indirectly promotes phosphorylation of MAPK14 and activation of ATF2. The phosphorylation of MAPK14 requires upstream activity of MAP2K4 and MAP2K6. Recruited on chromatin, recognizes and binds trimethylated 'Lys-36' of histone H3 (H3K36me3).

### Sequence similarities

Belongs to the 3-hydroxyisobutyrate dehydrogenase family. NP60 subfamily.  
Contains 1 A.T hook DNA-binding domain.  
Contains 1 PWWP domain.

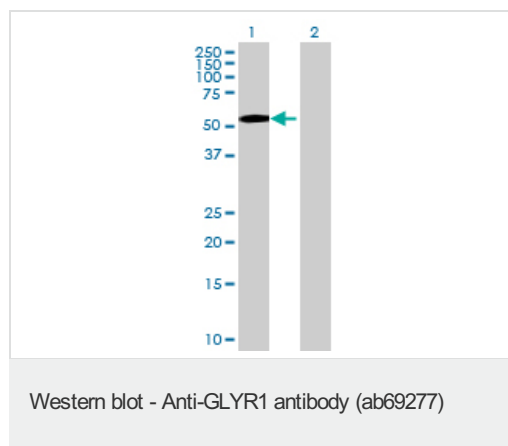
### Domain

The A.T hook DNA-binding domain is required for the interaction with MAPK14.  
The PWWP domain probably mediates the binding to H3K36me3.

### Cellular localization

Nucleus.

## Images



**All lanes :** Anti-GLYR1 antibody (ab69277) at 1/500 dilution

**Lane 1 :** GLYR1 transfected 293T cell lysate

**Lane 2 :** Non transfected 293T cell lysate

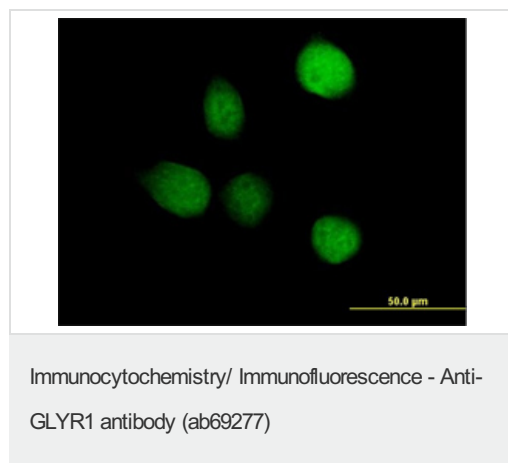
Lysates/proteins at 25 µg per lane.

### Secondary

**All lanes :** Goat Anti-Mouse IgG (H&L)-HRP Conjugate at 1/2500 dilution

**Predicted band size:** 61 kDa

**Observed band size:** 61 kDa



ab69277 at 10µg/ml staining GLYR1 in human HeLa cells by ICC/IF.

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