

Anti-GLYR1 antibody ab124615

★★★★★ [1 Abreviews](#) [3 图像](#)

概述

产品名称	Anti-GLYR1抗体
描述	兔多克隆抗体to GLYR1
宿主	Rabbit
经测试应用	适用于: WB, ICC
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Rabbit, Chicken, Cow, Pig, Chimpanzee, Macaque monkey, Gorilla, Chinese hamster, Orangutan 
免疫原	Synthetic peptide corresponding to Human GLYR1 aa 50-150 conjugated to keyhole limpet haemocyanin. (Peptide available as ab166838)
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
纯度	Immunogen affinity purified

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

克隆 多克隆
同种型 IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab124615于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 60 kDa (predicted molecular weight: 60 kDa). Abcam recommends using milk as the blocking agent - 3%
ICC		Use at an assay dependent concentration.

靶标

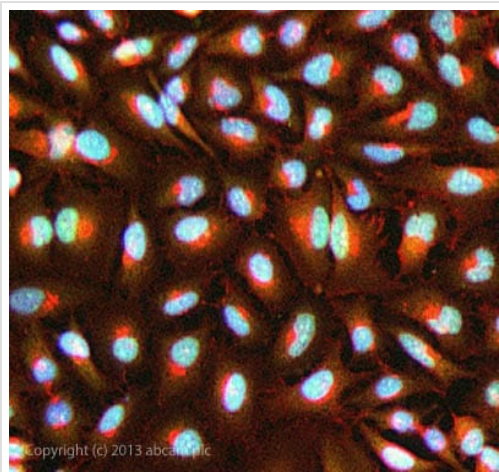
功能 May have oxidoreductase activity. Regulates p38 MAP kinase activity by mediating stress activation of p38alpha/MAPK14 and specifically regulating MAPK14 signaling. Indirectly promotes phosphorylation of MAPK14 and activation of ATF2. The phosphorylation of MAPK14 requires upstream activity of MAP2K4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

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

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

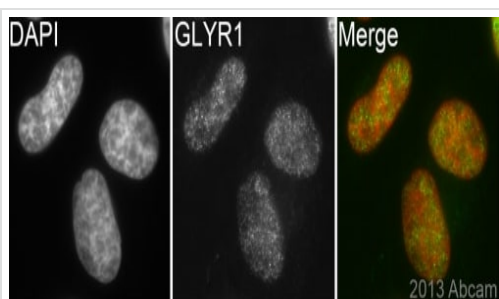
细胞定位 Nucleus.

图片



Immunocytochemistry - Anti-GLYR1 antibody (ab124615)

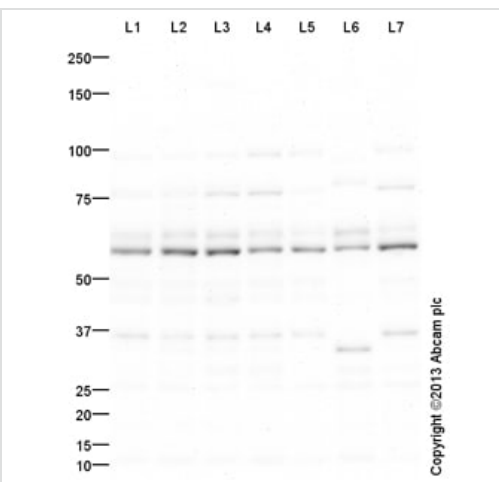
ICC/IF image of ab124615 stained HeLa cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab124615 at 5µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti- rabbit (**ab96899**) IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Immunocytochemistry - Anti-GLYR1 antibody (ab124615)

ab124615 (1/400) staining GLYR1 in asynchronous HeLa cells (green). Cells were fixed in paraformaldehyde, permeabilised in 0.5% Triton X100/ PBS and counterstained with DAPI in order to highlight the nucleus (red). For further experimental details please refer to Abreview.

Image courtesy of an abreview submitted by Dr. Kirk Mcmanus, Univ. of Manitoba/Cancer Care MICB, Canada.



Western blot - Anti-GLYR1 antibody (ab124615)

All lanes : Anti-GLYR1 antibody (ab124615) at 1 µg/ml

Lane 1 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 2 : HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

Lane 3 : U2OS (Human osteosarcoma cell line) Whole Cell Lysate

Lane 4 : Caco 2 (Human colonic carcinoma cell line) Whole Cell Lysate

Lane 5 : HCT 116 (Human Colorectal Carcinoma) Whole Cell Lysate

Lane 6 : NIH 3T3 (Mouse embryonic fibroblast cell line) Whole Cell Lysate

Lane 7 : SW480 (Human colon adenocarcinoma cell line) Whole Cell Lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 60 kDa

Observed band size: 60 kDa

Additional bands at: 36 kDa, 62 kDa, 76 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 4 minutes

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% Milk before being incubated with ab124615 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution.

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