

### HRP Anti-GAPDH antibody - Loading Control ab9385

★★★★★ [11 Abreviews](#) [93 References](#) [2 图像](#)

#### 概述

产品名称	HRP Anti-GAPDH抗体- Loading Control
描述	HRP兔多克隆抗体to GAPDH - Loading Control
宿主	Rabbit
偶联物	HRP
经测试应用	适用于: WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Cow, Saccharomyces cerevisiae, Xenopus laevis 
免疫原	Full length native protein (purified) corresponding to Human GAPDH.
阳性对照	This antibody gave a positive signal in the following whole cell lysates: HeLa; Jurkat; A431; Hek293.
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&amp;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. Avoid freeze / thaw cycle. Store In the Dark.
存储溶液	Preservative: 0.1% 10% Proclin 300 Solution Constituents: PBS, 30% Glycerol, 1% BSA
纯度	Protein A purified
Primary antibody说明	This antibody is the HRP conjugated version of <a href="#">ab9485</a> , for more convenient use as a loading control antibody.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab9385于以下的经测试应用

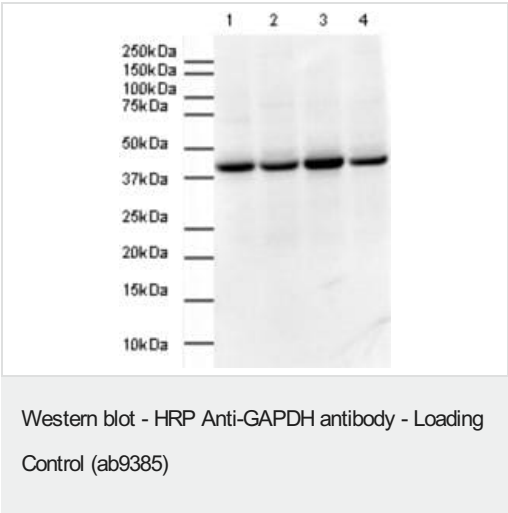
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (11)	1/5000. Detects a band of approximately 38 kDa (predicted molecular weight: 36 kDa). Milk blocking may cause 'no bands' problem. Please try BSA as well.

靶标

功能	Has both glyceraldehyde-3-phosphate dehydrogenase and nitrosylase activities, thereby playing a role in glycolysis and nuclear functions, respectively. Participates in nuclear events including transcription, RNA transport, DNA replication and apoptosis. Nuclear functions are probably due to the nitrosylase activity that mediates cysteine S-nitrosylation of nuclear target proteins such as SIRT1, HDAC2 and PRKDC (By similarity). Glyceraldehyde-3-phosphate dehydrogenase is a key enzyme in glycolysis that catalyzes the first step of the pathway by converting D-glyceraldehyde 3-phosphate (G3P) into 3-phospho-D-glyceroyl phosphate.
通路	Carbohydrate degradation; glycolysis; pyruvate from D-glyceraldehyde 3-phosphate: step 1/5.
序列相似性	Belongs to the glyceraldehyde-3-phosphate dehydrogenase family.
翻译后修饰	S-nitrosylation of Cys-152 leads to interaction with SIAH1, followed by translocation to the nucleus. ISGylated.
细胞定位	Cytoplasm > cytosol. Nucleus. Cytoplasm > perinuclear region. Membrane. Translocates to the nucleus following S-nitrosylation and interaction with SIAH1, which contains a nuclear localization signal (By similarity). Postnuclear and Perinuclear regions.

图片



**All lanes** : HRP Anti-GAPDH antibody - Loading Control (ab9385)  
at 1 µg/ml

**Lane 1** : HeLa cell lysate  
**Lane 2** : A431 cell lysate  
**Lane 3** : Jurkat cell lysate  
**Lane 4** : 293 cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

**Predicted band size:** 36 kDa

**Observed band size:** 38 kDa

**Exposure time:** 1 minute

Lane 1 - 4 : GAPDH antibody - Loading Control (ab9385) at 1 ug/ml

Lane 1 : HeLa cell lysate at 20 ug

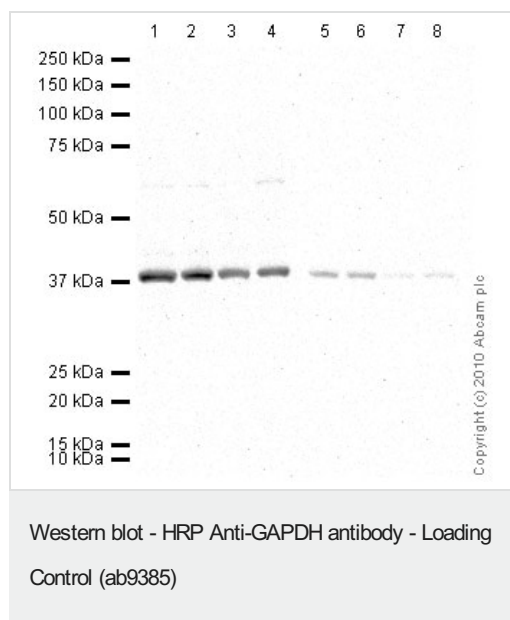
Lane 2 : A431 cell lysate at 20 ug

Lane 3 : Jurkat cell lysate at 20 ug

Lane 4 : 293 cell lysate at 20 ug

Performed under reducing conditions.

Exposure time : 1 minute



**Lanes 1-4 :** HRP Anti-GAPDH antibody - Loading Control (ab9385) at 1/5000 dilution ((Blocked in 5% BSA))

**Lanes 5-8 :** HRP Anti-GAPDH antibody - Loading Control (ab9385) at 1/5000 dilution ((Blocked in 5% MILK))

**Lanes 1 & 5 :** HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate ([ab27252](#))

**Lanes 2 & 6 :** Jurkat (Human) Whole Cell Lysate ([ab52254](#))

**Lanes 3 & 7 :** A-431 whole cell lysate ([ab7909](#))

**Lanes 4 & 8 :** HEK-293 whole cell lysate ([ab7902](#))

Lysates/proteins at 10 µg per lane.

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 36 kDa

The membrane 1-4 was blocked in 5% BSA (1 hour). The membrane 5-8 was blocked in 5% MILK (1 hour). Abcam routinely uses 5% BSA to block, however following recent customer feedback our labs investigated the effect of 5% milk blocking. We can now confirm that milk is not a suitable blocking agent for this antibody and significantly decreases the signal on the membrane.

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