



# Anti-GAPDH antibody - Loading Control ab22555

★★★★★ [4 Abreviews](#) [106 References](#) [2 图像](#)

## 概述

产品名称	Anti-GAPDH抗体- Loading Control
描述	兔多克隆抗体to GAPDH - Loading Control
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Rat, Dog, Human, African green monkey 预测可用于: Sheep, Rabbit, Horse, Chicken, Guinea pig, Cow, Cat, Turkey, Pig, Duck 
免疫原	Synthetic peptide: DAPMFVMGVNHFKEYA , corresponding to amino acids 126-140 of Human GAPDH. <a href="#"> Run BLAST with</a> <a href="#"> Run BLAST with</a>
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.05% Sodium azide Constituents: PBS, 0.1% BSA
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

## 应用

The Abpromise guarantee

Abpromise™承诺保证使用ab22555于以下的经测试应用

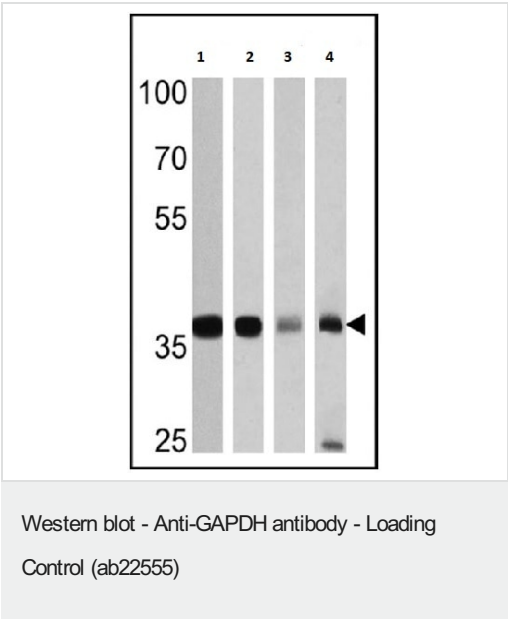
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (4)	1/1000 - 1/5000. Detects a band of approximately 36 kDa.

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.

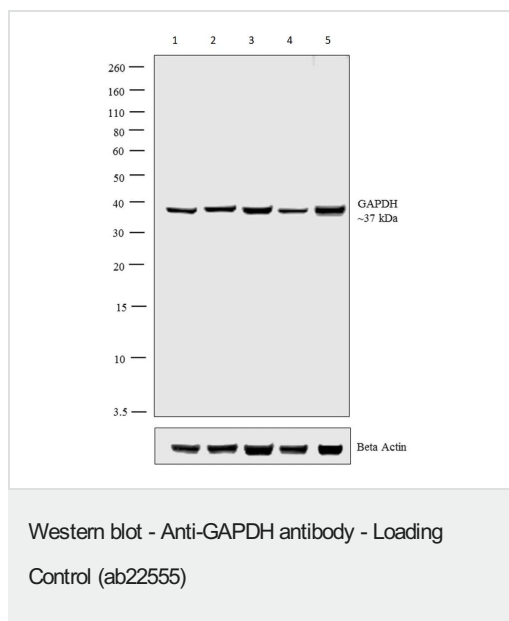
图片



**Lane 1 :** Anti-GAPDH antibody - Loading Control (ab22555)  
**Lanes 2-4 :** Anti-GAPDH antibody - Loading Control (ab22555) at 1/1000 dilution

**Lane 1 :** HeLa cell lysate  
**Lane 2 :** 293 cell lysate  
**Lane 3 :** HUVEC cell lysate  
**Lane 4 :** PC12 cell lysate

Lysates/proteins at 25 µg per lane.



**All lanes :** Anti-GAPDH antibody - Loading Control (ab22555) at 1/1000 dilution

**Lane 1 :** A431 cell lysate

**Lane 2 :** COS-7 cell lysate

**Lane 3 :** MDCK cell lysate

**Lane 4 :** PC-3 cell lysate

**Lane 5 :** Mouse brain tissue lysate

Lysates/proteins at 30 µg per lane.

### Secondary

**All lanes :** Goat anti-Rabbit IgG (H+L) Superclonal™ HRP conjugate at 1/4000 dilution

**Observed band size:** 37 kDa

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

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