

Anti-GAPDH antibody [3E8AD9] - Loading Control ab110305

[10 References](#) [4 图像](#)

概述

产品名称	Anti-GAPDH抗体[3E8AD9] - Loading Control
描述	小鼠单克隆抗体[3E8AD9] to GAPDH - Loading Control
宿主	Mouse
经测试应用	适用于: ICC/IF, WB, Flow Cyt, IP
种属反应性	与反应: Human
免疫原	Full length protein. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HepG2 cells IP: HepG2 cells and Human liver mitochondria Flow Cyt: HL-60 cells ICC/IF: Human HDFn cells
常规说明	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <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> <p>Product was previously marketed under the MitoSciences sub-brand.</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 long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.5 Preservative: 0.02% Sodium azide Constituent: HEPES buffered saline
纯化说明	ab110305 was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation. Purity: >95% by SDS-PAGE.
克隆	单克隆

克隆编号	3E8AD9
同种型	IgG2b
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab110305于以下的经测试应用

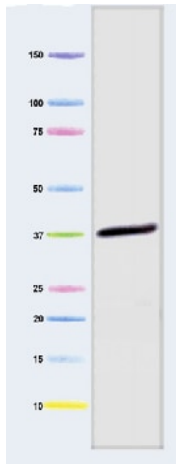
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		Use a concentration of 0.5 µg/ml.
WB		Use a concentration of 0.125 µg/ml. Predicted molecular weight: 36 kDa.
Flow Cyt		Use a concentration of 1 µg/ml. ab170192 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.
IP		Use at an assay dependent concentration.

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.

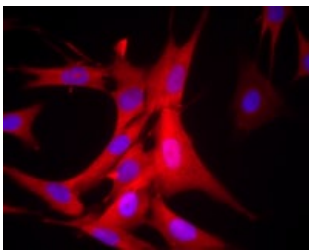
图片



Anti-GAPDH antibody [3E8AD9] - Loading Control (ab110305) at 0.125 µg/ml + HepG2 cell lysate

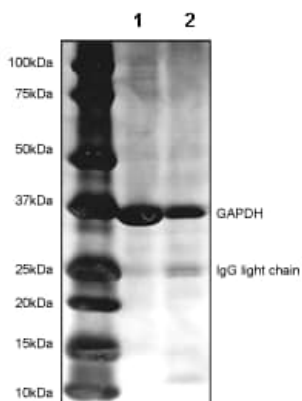
Predicted band size: 36 kDa

Western blot - Anti-GAPDH antibody [3E8AD9] - Loading Control (ab110305)



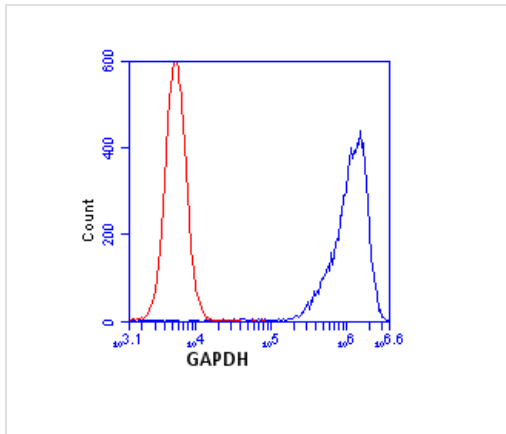
Immunocytochemistry analysis using ab110305 at 0.5 µg/ml to stain GAPDH in HDFn cells (paraformaldehyde fixed and Triton X-100 permeabilized). Target locates primarily in the cytosol.

Immunocytochemistry/ Immunofluorescence - Anti-GAPDH antibody [3E8AD9] - Loading Control (ab110305)



Detection of ab110305 by Western Blot of Immunoprecipitate. Staining of GAPDH in HepG2 cells (lane 1) and Human Liver Mitochondria (lane 2), immunoprecipitated using ab110305.

Immunoprecipitation - Anti-GAPDH antibody [3E8AD9] - Loading Control (ab110305)



Flow cytometric analysis of GAPDH in HL60 cells (blue), using ab110305 at 1 µg/ml. Isotype control antibody (red).

Flow Cytometry - Anti-GAPDH antibody [3E8AD9] -
Loading Control (ab110305)

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