


Anti-GAPDH antibody - Loading Control ab70699

55 References [画像数 2](#)

製品の概要

製品名	Anti-GAPDH antibody - Loading Control
製品の詳細	Rabbit polyclonal to GAPDH - Loading Control
由来種	Rabbit
アプリケーション	適用あり: IHC-P, WB
種交差性	交差種: Mouse, Human 交差が予測される動物種: Rat, Chicken, Guinea pig, Turkey, Pig, Xenopus laevis, Chimpanzee, Reptile, Rhesus monkey, Gorilla 
免疫原	Synthetic peptide within Human GAPDH aa 250-300. The exact sequence is proprietary. Database link: <u>P04406</u>
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab70699の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		1/200.
WB		Use a concentration of 0.1 µg/ml. Detects a band of approximately 38 kDa (predicted molecular weight: 36 kDa).

ターゲット情報

機能

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.

パスウェイ

Carbohydrate degradation; glycolysis; pyruvate from D-glyceraldehyde 3-phosphate: step 1/5.

配列類似性

Belongs to the glyceraldehyde-3-phosphate dehydrogenase family.

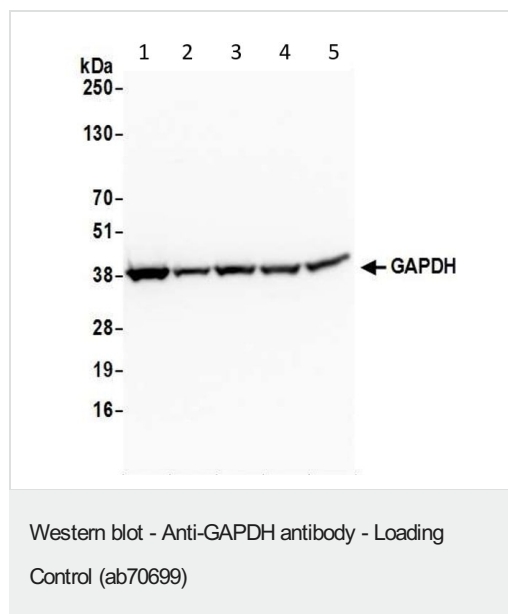
翻訳後修飾

S-nitrosylation of Cys-152 leads to interaction with SIAH1, followed by translocation to the nucleus.
ISGylated.

細胞内局在

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.

画像



All lanes : Anti-GAPDH antibody - Loading Control (ab70699) at 0.1 µg/ml

Lane 1 : HeLa whole cell lysate

Lane 2 : HEK293T whole cell lysate

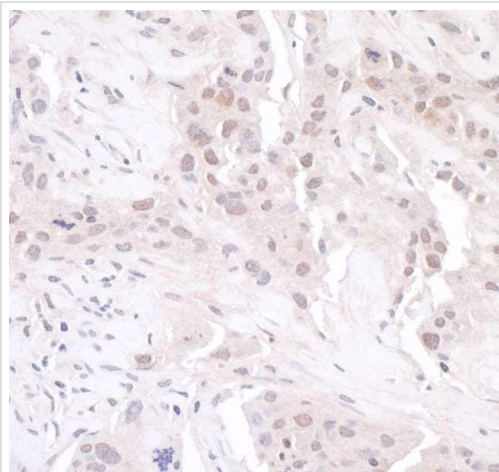
Lane 3 : Jurkat whole cell lysate

Lane 4 : TCMK-1 whole cell lysate

Lane 5 : NIH 3T3 whole cell lysate

Lysates/proteins at 50 µg per lane.

Predicted band size: 36 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma tissue labelling GAPDH with ab70699 at 1/200 (1µg/ml). Detection: DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GAPDH antibody - Loading Control (ab70699)

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