


Anti-GAPDH antibody - Loading Control ab70700

1 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
特異性	We have data to indicate that this antibody may not cross react with Human. However, this has not been conclusively tested and expression levels may vary in certain cell lines/tissues.
アプリケーション	適用あり: IHC-P, WB
種交差性	交差種: Mouse 交差が予測される動物種: Rat, Gerbil, Chinese hamster 
免疫原	Synthetic peptide within Mouse GAPDH aa 300-335 (C terminal). The exact sequence is proprietary. Database link: P16858
ポジティブ・コントロール	Whole cell lysate from mouse NIH3T3 cells.
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

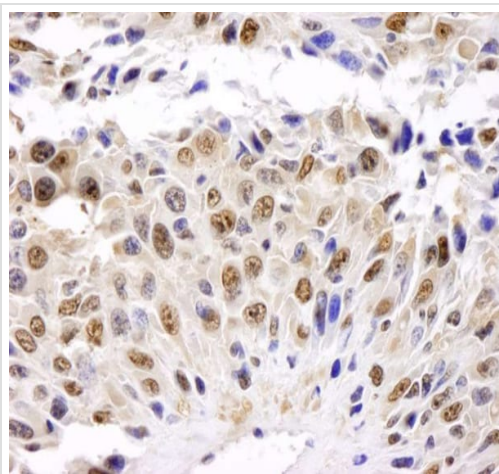
The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab70700の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		1/200 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/2000 - 1/10000. Detects a band of approximately 38 kDa (predicted molecular weight: 36 kDa).

ターゲット情報

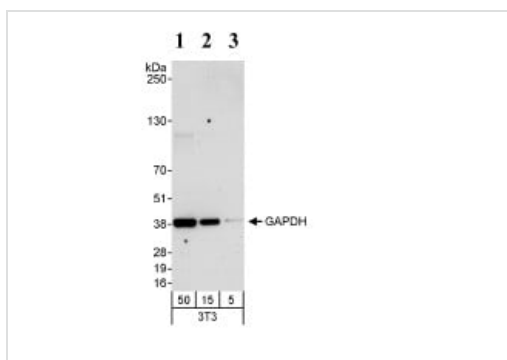
機能	Has both glyceraldehyde-3-phosphate dehydrogenase and nitrosylase activities, thereby playing a role in glycolysis and nuclear functions, respectively. Participates in nuclear events including transcription, RNA transport, DNA replication and apoptosis. Nuclear functions are probably due to the nitrosylase 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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GAPDH antibody - Loading Control (ab70700)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse squamous cell carcinoma tissue labelling GAPDH with ab70700 at 1/200 (1µg/ml). Detection: DAB.



Western blot - Anti-GAPDH antibody - Loading Control (ab70700)

All lanes : Anti-GAPDH antibody - Loading Control (ab70700) at 0.04 µg/ml

Lane 1 : Whole cell lysate from mouse NIH3T3 cells. at 50 µg

Lane 2 : Whole cell lysate from mouse NIH3T3 cells. at 15 µg

Lane 3 : Whole cell lysate from mouse NIH3T3 cells. at 5 µg

Predicted band size: 36 kDa

Observed band size: 38 kDa

Exposure time: 30 seconds

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