

HRP Anti-GAPDH antibody - Loading Control ab9385

★★★★★ [11 Abreviews](#) [93 References](#) [画像数 2](#)

製品の概要

製品名	HRP Anti-GAPDH antibody - Loading Control
製品の詳細	HRP Rabbit polyclonal to GAPDH - Loading Control
由来種	Rabbit
標識	HRP
アプリケーション	適用あり: WB
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat, Cow, Saccharomyces cerevisiae, Xenopus laevis 
免疫原	Full length native protein (purified) corresponding to Human GAPDH.
ポジティブ・コントロール	This antibody gave a positive signal in the following whole cell lysates: HeLa; Jurkat; A431; Hek293.
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.
バッファー	Preservative: 0.1% 10% Proclin 300 Solution Constituents: PBS, 30% Glycerol, 1% BSA
精製度	Protein A purified
一次抗体 備考	This antibody is the HRP conjugated version of ab9485 , for more convenient use as a loading control antibody.
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ab9385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
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.

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.

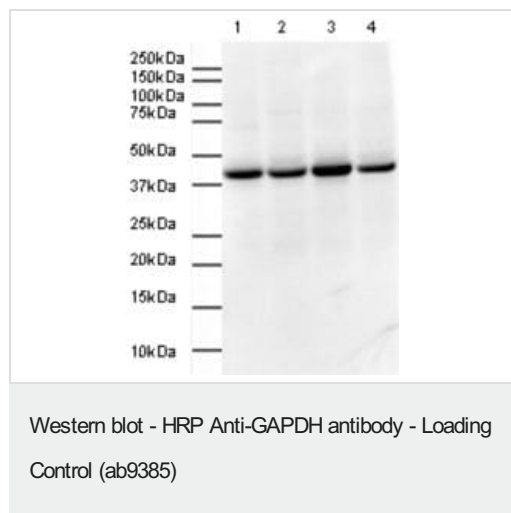
翻訳後修飾

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 : 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

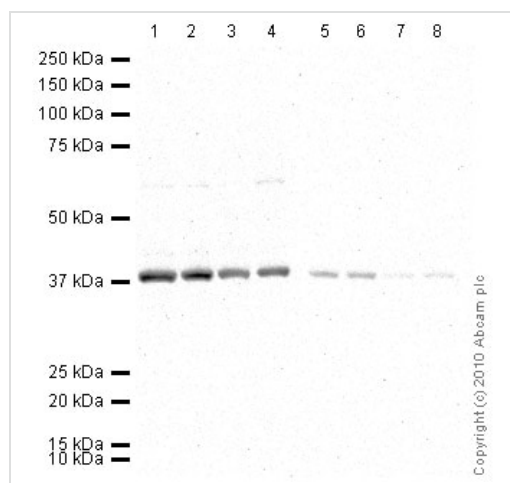
Lane 2 : A431 cell lysate at 20 ug

Lane 3 : Jurkat cell lysate at 20 ug

Lane 4 : 293 cell lysate at 20 ug

Performed under reducing conditions.

Exposure time : 1 minute



Western blot - HRP Anti-GAPDH antibody - Loading Control (ab9385)

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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