


Anti-GAPDH antibody [mAbcam 9484] - BSA and Azide free ab174646

画像数 1

製品の概要

製品名	Anti-GAPDH antibody [mAbcam 9484] - BSA and Azide free
製品の詳細	Mouse monoclonal [mAbcam 9484] to GAPDH - BSA and Azide free
由来種	Mouse
特異性	In western blot, this product typically gives a lower signal in rat lysates compared to human and mouse lysates.
アプリケーション	適用あり: IHC-P, WB
種交差性	交差種: Mouse, Rat, Chicken, Cow, Human, Pig, Xenopus laevis, Chinese hamster 交差が予測される動物種: Rabbit, Dog, Cynomolgus monkey 
免疫原	Full length native protein (purified). This information is proprietary to Abcam and/or its suppliers.
特記事項	<p>ab174646 is the carrier-free version of ab9484.</p> <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>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</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</p>

found below, along with publications, customer reviews and Q&As

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 or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Constituent: PBS
キャリア・フリー	はい
精製度	IgG fraction
ポリ/モノ	モノクローナル
クローン名	mAbcam 9484
ミエローマ	Sp2/0-Ag14
アイソタイプ	IgG2b
軽鎖の種類	kappa

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ab174646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確認ください。

アプリケーション	Abreviews	特記事項
IHC-P		Use a concentration of 5 µg/ml.
WB		Use a concentration of 0.5 - 1 µg/ml. Predicted molecular weight: 40.2 kDa. NOT SUITABLE for blocking with milk. Block in 5% BSA for 1 hour. Our labs have thoroughly investigated the blocking conditions for this antibody following concerning customer feedback on the lack of signal with some of the vials. We found that milk significantly decreases the signal and is therefore not a

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

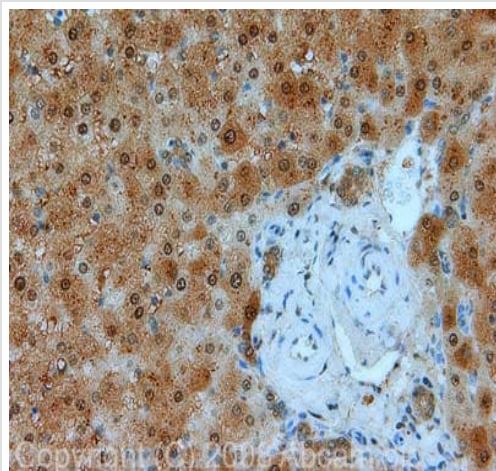
S-nitrosylation of Cys-152 leads to interaction with SIAH1, followed by translocation to the nucleus.

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
[mAbcam 9484] - BSA and Azide free (ab174646)

This IHC data was generated using the same antibody clone in a different buffer formulation ([ab9484](#)).

IHC image of GAPDH staining in human liver FFPE section, performed on a BondTM system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with [ab9484](#), 5µg/ml, for 8 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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