


Anti-MDH2 antibody [EPR14883(B)] ab181857

KO 評価済 リコンビナント RabMAb

5 References 画像数 5

製品の概要

製品名	Anti-MDH2 antibody [EPR14883(B)]
製品の詳細	Rabbit monoclonal [EPR14883(B)] to MDH2
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), WB, IHC-P
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: HEK293T, K562, HepG2, and HeLa whole cell lysates; Human eyeball tissue lysate. IHC-P: Human hepatocellular carcinoma tissue Flow Cyt (intra): HeLa cells.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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 long term. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	EPR14883(B)
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ab181857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
Flow Cyt (Intra)		1/10. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/10000 - 1/50000. Detects a band of approximately 36 kDa (predicted molecular weight: 36 kDa).
IHC-P		1/50. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

ターゲット情報

配列類似性

Belongs to the LDH/MDH superfamily. MDH type 1 family.

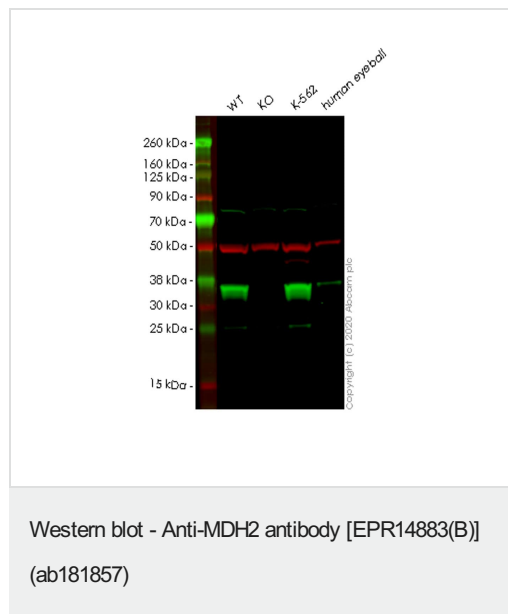
翻訳後修飾

Acetylation is enhanced by up to 67% after treatment either with trichostin A (TSA) or with nicotinamide (NAM) with the appearance of tri- and tetraacetylations. Glucose also increases acetylation by about 60%.

細胞内局在

Mitochondrion matrix.

画像



All lanes : Anti-MDH2 antibody [EPR14883(B)] (ab181857) at 1/1000 dilution

Lane 1 : Wild-type HEK293T cell lysate

Lane 2 : MDH2 knockout HEK293T cell lysate

Lane 3 : K-562 cell lysate

Lane 4 : Human eyeball tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

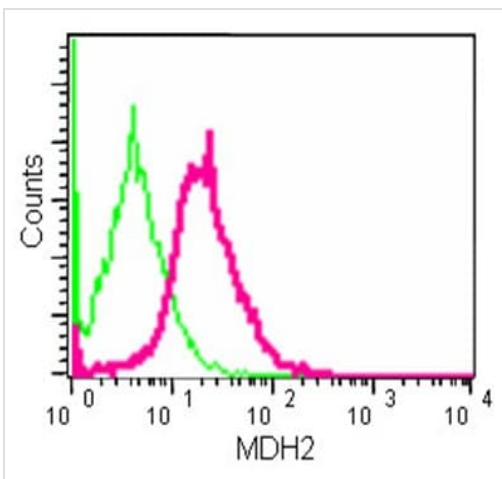
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

Predicted band size: 36 kDa

Observed band size: 36 kDa

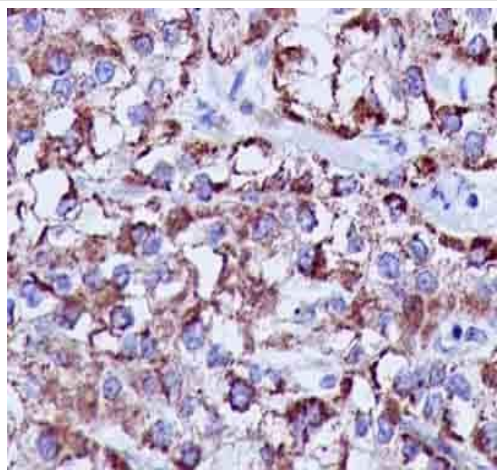
Lanes 1-4: Merged signal (red and green). Green - ab181857 observed at 36 kDa. Red - loading control **ab7291** observed at 50 kDa.

ab181857 Anti-MDH2 antibody [EPR14883(B)] was shown to specifically react with MDH2 in wild-type HEK293T cells. Loss of signal was observed when knockout cell line **ab266449** (knockout cell lysate **ab257533**) was used. Wild-type and MDH2 knockout samples were subjected to SDS-PAGE. ab181857 and Anti-alpha Tubulin antibody [DM1A] - Loading Control (**ab7291**) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Flow Cytometry (Intracellular) - Anti-MDH2 antibody [EPR14883(B)] (ab181857)

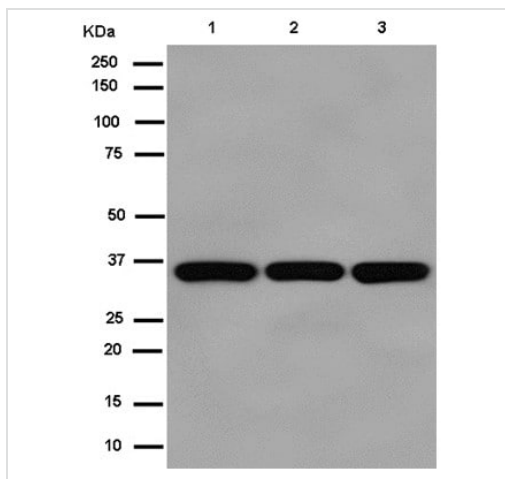
Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed HeLa cells labeling MDH2 with ab181857 at 1/10 dilution (red) compared to a Rabbit IgG monoclonal isotype control (green), followed by Goat anti rabbit IgG (FITC) secondary antibody at 1/150 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MDH2 antibody [EPR14883(B)] (ab181857)

Immunohistochemical analysis of paraffin-embedded Human hepatocellular carcinoma tissue labeling MDH2 with ab181857 at 1/50 dilution, followed by prediluted HRP Polymer for Rabbit IgG. Counter stained with Hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Western blot - Anti-MDH2 antibody [EPR14883(B)] (ab181857)

All lanes : Anti-MDH2 antibody [EPR14883(B)] (ab181857) at 1/50000 dilution

Lane 1 : K562 cell lysate

Lane 2 : HepG2 cell lysate

Lane 3 : HeLa cell lysate

Lysates/proteins at 20 μ g per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

Predicted band size: 36 kDa

Observed band size: 36 kDa

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-MDH2 antibody [EPR14883(B)] (ab181857)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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