

Anti-IDH2 (mutated R172S) antibody [SMab-2] - BSA and Azide free ab264063

リコンビナント

1 References [画像数 4](#)

製品の概要

製品名	Anti-IDH2 (mutated R172S) antibody [SMab-2] - BSA and Azide free
製品の詳細	Mouse monoclonal [SMab-2] to IDH2 (mutated R172S) - BSA and Azide free
由来種	Mouse
アプリケーション	適用あり: Indirect ELISA, WB, ICC/IF
種交差性	交差種: Human
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: His-tagged human IDH2 mutated R172S (aa40-452) recombinant protein. ICC/IF: SW1353 cells.
特記事項	<p>ab264063 is the carrier-free version of ab264056.</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>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	SMab-2
アイソタイプ	IgG1
軽鎖の種類	kappa

アプリケーション

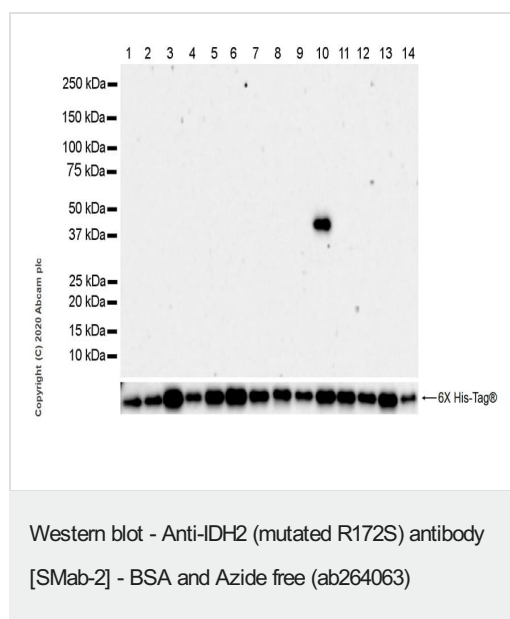
The Abpromise guarantee **Abpromise保証は、**次のテスト済みアプリケーションにおけるab264063の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
Indirect ELISA		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 50 kDa.
ICC/IF		Use at an assay dependent concentration.

ターゲット情報

機能	Plays a role in intermediary metabolism and energy production. It may tightly associate or interact with the pyruvate dehydrogenase complex.
関連疾患	D-2-hydroxyglutaric aciduria 2 Glioma Genetic variations are associated with cartilaginous tumors such as enchondroma or chondrosarcoma.
配列類似性	Belongs to the isocitrate and isopropylmalate dehydrogenases family.
翻訳後修飾	Acetylation at Lys-413 dramatically reduces catalytic activity. Deacetylated by SIRT3.
細胞内局在	Mitochondrion.

画像



Western blot - Anti-IDH2 (mutated R172 S) antibody [SMab-2] (ab264056).

The loading samples are E.coil extracts containing recombinant protein respectively.

ab264056 used at a 1/1000 dilution (1.329µg/ml), followed by Peroxidase-Conjugated Goat anti-Mouse IgG (H+L) secondary antibody at a 1/10,000 dilution.

Blocking/Dilution buffer: 5% NFDm/TBST.

Lane 1: His-tagged human IDH1 (aa1-414) recombinant protein 10ng

Lane 2: His-tagged human IDH1 mutated R132H (aa1-414) recombinant protein 10ng

Lane 3: His-tagged human IDH1 mutated R132G (aa1-414) recombinant protein 10ng

Lane 4: His-tagged human IDH1 mutated R132L (aa1-414) recombinant protein 10ng

Lane 5: His-tagged human IDH1 mutated R132S (aa1-414) recombinant protein 10ng

Lane 6: His-tagged human IDH1 mutated R132V (aa1-414) recombinant protein 10ng

Lane 7: His-tagged human IDH1 mutated R132C (aa1-414) recombinant protein 10ng

Lane 8: His-tagged human IDH2 (aa40-452) recombinant protein 10ng

Lane 9: His-tagged human IDH2 mutated R172M (aa40-452) recombinant protein 10ng

Lane 10: His-tagged human IDH2 mutated R172S (aa40-452) recombinant protein 10ng

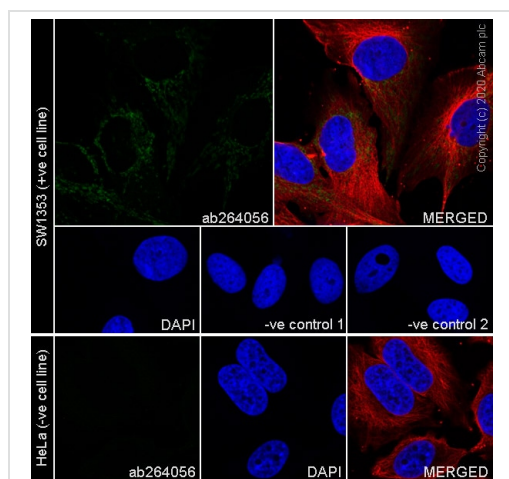
Lane 11: His-tagged human IDH2 mutated R172G (aa40-452) recombinant protein 10ng

Lane 12: His-tagged human IDH2 mutated R172W (aa40-452) recombinant protein 10ng

Lane 13: His-tagged human IDH2 mutated R172K (aa40-452) recombinant protein 10ng

Lane 14: His-tagged human IDH2 mutated R140Q (aa40-452) recombinant protein 10ng

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab264056**).



Immunocytochemistry/ Immunofluorescence - Anti-IDH2 (mutated R172S) antibody [SMab-2] - BSA and Azide free (ab264063)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized SW1353 (human chondrosarcoma cell line) cells labelling IDH2 (mutated R172 S) with **ab264056** at 1/50 dilution (26.58µg/ml), followed by **ab150113** Goat Anti-mouse IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green). Confocal image showing cytoplasmic staining in SW1353 cells.

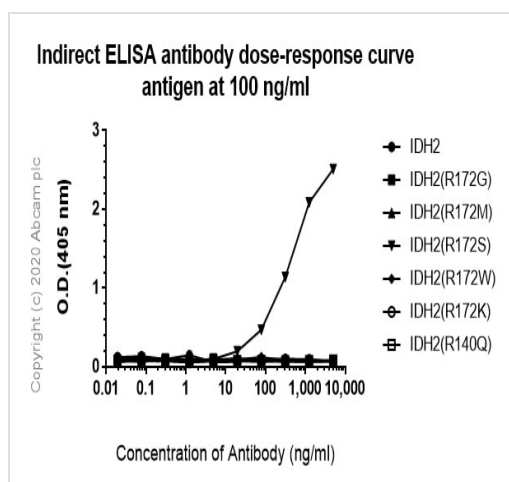
Negative control: HeLa (PMID: 25753205).

ab179504 (YCA-R16775) Anti-beta IV Tubulin antibody was used to counterstain tubulin at 1/200 dilution, followed by **ab150080** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) at a 1/1000 dilution (Red). The nuclear counterstain was DAPI (Blue).

Negative control 1: **ab264056** at a 1/50 dilution (26.58µg/ml) followed by **ab150080** at a 1/1000 dilution.

Negative control 2: **ab179504** at 1/200 dilution followed by **ab150113** at a 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab264056**).



Indirect ELISA - Anti-IDH2 (mutated R172S) antibody [SMab-2] - BSA and Azide free (ab264063)

ELISA - Anti-IDH2 (mutated R172 S) antibody [SMab-2] (**ab264056**).

ab264056 used at 0-5000 ng/ml, followed by an Alkaline Phosphatase-conjugated AffiniPure Goat Anti-Mouse IgG (H+L) secondary used at 1/1000 dilution.

Antigen concentration, 100 ng/ml.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab264056**).

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

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BSA and Azide free (ab264063)

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