

Anti-IDH1 (mutated R132G) antibody [GMab-r1] - BSA and Azide free ab264058

リコンビナント

1 References 画像数 3

製品の概要

製品名	Anti-IDH1 (mutated R132G) antibody [GMab-r1] - BSA and Azide free
製品の詳細	Rat monoclonal [GMab-r1] to IDH1 (mutated R132G) - BSA and Azide free
由来種	Rat
アプリケーション	適用あり: Indirect ELISA, WB
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 IDH1 mutated R132G (aa1-414) recombinant protein.
特記事項	<p>ab264058 is the carrier-free version of ab264050.</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	Ion Exchange Chromatography
ポリ/モノ	モノクローナル
クローン名	GMab-r1
アイソタイプ	IgG2a
軽鎖の種類	kappa

アプリケーション

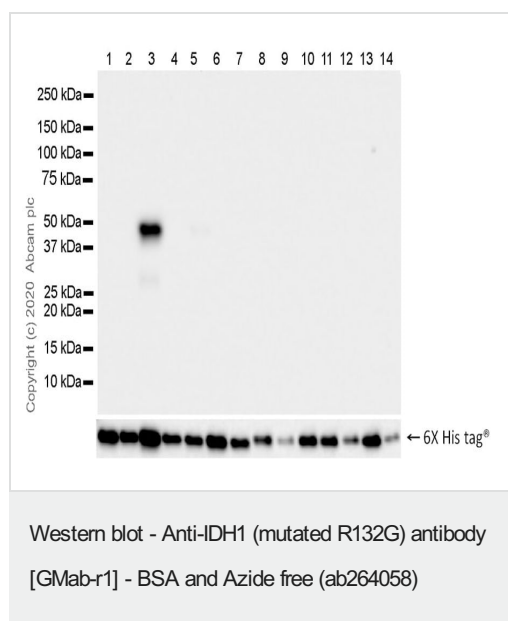
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab264058の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Indirect ELISA		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 46 kDa.

ターゲット情報

関連疾患	Glioma Genetic variations are associated with cartilaginous tumors such as enchondroma or chondrosarcoma. Mutations of Arg-132 to Cys, Gly or His abolish the conversion of isocitrate to alpha-ketoglutarate. Instead, alpha-ketoglutarate is converted to R(-)-2-hydroxyglutarate.
配列類似性	Belongs to the isocitrate and isopropylmalate dehydrogenases family.
翻訳後修飾	Acetylation at Lys-374 dramatically reduces catalytic activity.
細胞内局在	Cytoplasm. Peroxisome.

画像



Western blot - Anti-IDH1 (mutated R132 G) antibody [GMab-r1] (ab264050).

ab264050 used at a 1/1000 dilution (1.266µg/ml) followed by Goat Anti-Rat IgG (H+L), HRP) (**ab205720**) used 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

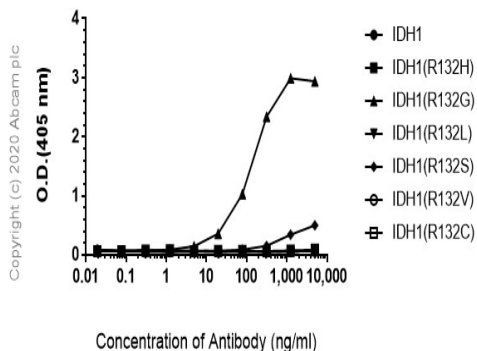
Lane 12: His-tagged human IDH2 mutated R172W (aa40-452) recombinant protein 10ng

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 (**ab264050**).

**Indirect ELISA antibody dose-response curve
antigen at 100 ng/ml**



Indirect ELISA - Anti-IDH1 (mutated R132G)
antibody [GMab-r1] - BSA and Azide free
(ab264058)

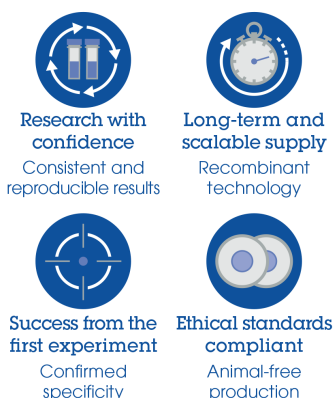
**ELISA - Anti-IDH1 (mutated R132 G) antibody [GMab-r1]
(ab264050).**

ab264050 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 (**ab264050**).

**Why choose a
recombinant antibody?**



Anti-IDH1 (mutated R132G) antibody [GMab-r1] -
BSA and Azide free (ab264058)

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