

Anti-IDH1 (mutated R132S) antibody [SMab-1] ab264049

リコンビナント

1 References [画像数 3](#)

製品の概要

製品名	Anti-IDH1 (mutated R132S) antibody [SMab-1]
製品の詳細	Mouse monoclonal [SMab-1] to IDH1 (mutated R132S)
由来種	Mouse
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 R132S (aa1-414) recombinant protein.
特記事項	<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>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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	SMab-1
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ab264049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 a concentration of 0.949 µg/ml.
WB		Use a concentration of 1.186 µg/ml. 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.

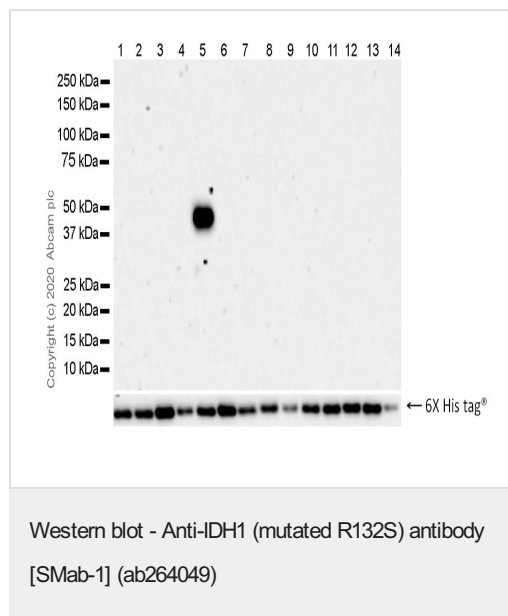
翻訳後修飾

Acetylation at Lys-374 dramatically reduces catalytic activity.

細胞内局在

Cytoplasm. Peroxisome.

画像



ab264049 used at 0.949µg/ml.

Goat Anti-Rat IgG (H+L), HRP) ([ab205720](#)) used as the secondary 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

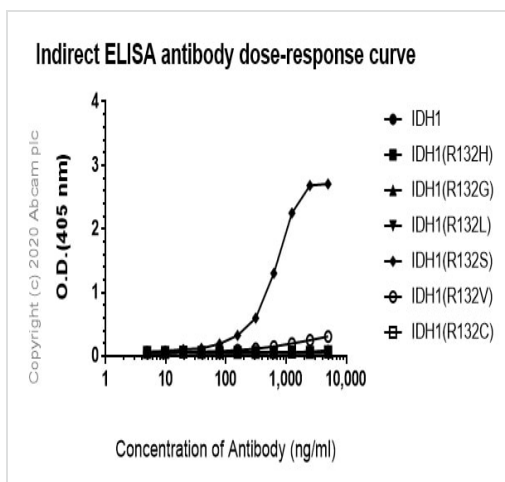
Lane 12: His-tagged human IDH2 mutated R172W (aa40-452) recombinant protein 10ng

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

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

Exposure time of 3 mins.



Indirect ELISA - Anti-IDH1 (mutated R132S)
antibody [SMab-1] (ab264049)

ELISA - Anti-IDH1 (mutated R132 S) antibody [SMab-1].

ab264049 used at 0-5000 ng/ml.

Alkaline Phosphatase-conjugated AffiniPure Goat Anti-Mouse IgG (H+L) used at a 1/1000 dilution.

Antigen concentration 1000 ng/ml.

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-IDH1 (mutated R132S) antibody [SMab-1]
(ab264049)

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