

# Anti-IDH1 antibody [HMab-2] - BSA and Azide free ab256563

リコンビナント

## 1 References [画像数 3](#)

### 製品の概要

製品名	Anti-IDH1 antibody [HMab-2] - BSA and Azide free
製品の詳細	Mouse monoclonal [HMab-2] to IDH1 - BSA and Azide free
由来種	Mouse
アプリケーション	<b>適用あり:</b> Indirect ELISA, WB
種交差性	<b>交差種:</b> 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 R132H (aa1-414) recombinant protein.
特記事項	<p>ab256563 is the carrier-free version of <a href="#">ab256558</a>.</p> <p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</p> <p>Our <b>carrier-free</b> 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 <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;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<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> 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"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</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	HMab-2
アイソタイプ	IgG1
軽鎖の種類	kappa

## アプリケーション

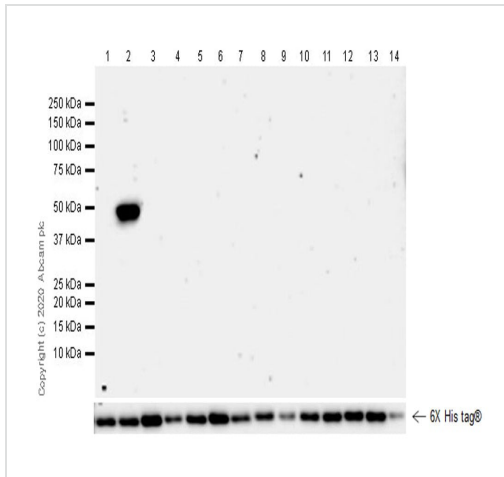
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab256563の使用に適用されず**  
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アプリケーション	Abreviews	特記事項
Indirect ELISA		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 46 kDa.

## 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 antibody [HMab-2] - BSA and Azide free (ab256563)

**ab256558** used at 1.263µg/ml.

Goat Anti-Rat IgG (H+L), HRP (**ab205720**) used as the secondary at a 1/10,000 dilution.

Blocking/Dilution buffer:5% NFD/MTBST.

**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

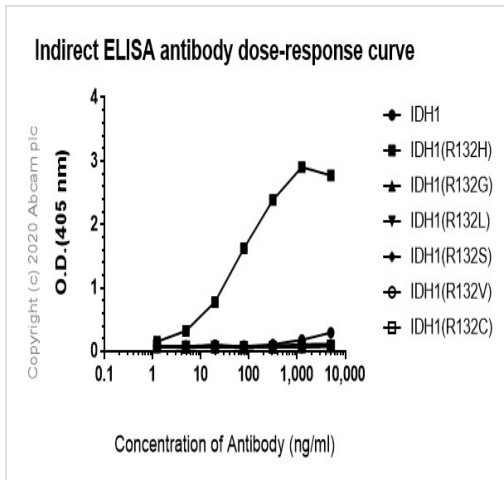
**Lane 13:** His-tagged human IDH2 mutated R172K (aa40-452) recombinant protein 10ng

**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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab256558](#)).



Indirect ELISA - Anti-IDH1 antibody [HMab-2] - BSA and Azide free ([ab256563](#))

### ELISA - Anti-IDH1 antibody [HMab-2].

[ab256558](#) used at 0-5000 ng/ml.

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

Antigen concentration 1000 ng/ml.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab256558](#)).

**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 antibody [HMab-2] - BSA and Azide free ([ab256563](#))

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