



### Anti-HDAC5 antibody [HDAC5-35] ab50001

**2 References**   **画像数 1**

#### 製品の概要

製品名	Anti-HDAC5 antibody [HDAC5-35]
製品の詳細	Mouse monoclonal [HDAC5-35] to HDAC5
由来種	Mouse
アプリケーション	<b>適用あり:</b> WB
種交差性	<b>交差種:</b> Mouse
免疫原	<p>Synthetic peptide corresponding to Human HDAC5 aa 4-19 conjugated to keyhole limpet haemocyanin. synthetic peptide has a C-terminal added lysine.</p> <p>Sequence:</p> <p>PNESDGMSGREPSLEI</p> <p>Database link: <a href="#">Q9UQL6</a></p> <p> <a href="#">Run BLAST with</a>    <a href="#">Run BLAST with</a></p>
ポジティブ・コントロール	WB: Total cell extracts of NIH3T3 fibroblast cells.
特記事項	<p>This product was changed from ascites to tissue culture supernatant on 05/06/2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	<p>pH: 7.40</p> <p>Preservative: 0.097% Sodium azide</p> <p>Constituent: 0.0268% PBS</p>

精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	HDAC5-35
ミエローマ	NS1
アイソタイプ	IgG1

## 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ab50001の使用に適用されます**

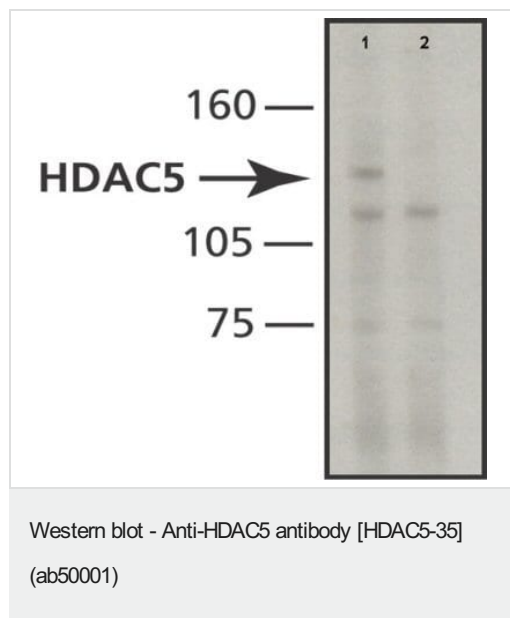
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Predicted molecular weight: 122 kDa.

## ターゲット情報

機能	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Involved in muscle maturation by repressing transcription of myocyte enhancer MEF2C. During muscle differentiation, it shuttles into the cytoplasm, allowing the expression of myocyte enhancer factors.
組織特異性	Ubiquitous.
配列類似性	Belongs to the histone deacetylase family. HD type 2 subfamily.
ドメイン	The nuclear export sequence mediates the shuttling between the nucleus and the cytoplasm.
翻訳後修飾	Phosphorylated by CaMK at Ser-259 and Ser-498. The phosphorylation is required for the export to the cytoplasm. Phosphorylated by the PKC kinases PKN1 and PKN2, impairing nuclear import. Ubiquitinated. Polyubiquitination however does not lead to its degradation.
細胞内局在	Nucleus. Cytoplasm. Shuttles between the nucleus and the cytoplasm. In muscle cells, it shuttles into the cytoplasm during myocyte differentiation. The export to cytoplasm depends on the interaction with a 14-3-3 chaperone protein and is due to its phosphorylation at Ser-259 and Ser-498 by CaMK.

## 画像



**Lane 1 :** Anti-HDAC5 antibody [HDAC5-35] (ab50001) at 2 µg/ml

**Lane 2 :** no primary antibody

**All lanes :** 3T3 cell extract (mouse fibroblasts)

**Secondary**

**All lanes :** Goat Anti-Mouse, Peroxidase conjugate

**Predicted band size:** 122 kDa

**Observed band size:** ~122 kDa

This image was generated using the ascites version of the product.

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

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