

Product datasheet

Anti-HDAC3 antibody ab63353

3 References [画像数 4](#)

製品の概要

| | |
|--------------|--|
| 製品名 | Anti-HDAC3 antibody |
| 製品の詳細 | Rabbit polyclonal to HDAC3 |
| 由来種 | Rabbit |
| アプリケーション | 適用あり: Sandwich ELISA, ELISA, ICC/IF, IHC-P, WB |
| 種交差性 | 交差種: Mouse, Human |
| 免疫原 | Synthesized non-phosphopeptide derived from human HDAC3 around the phosphorylation site of serine 424. |
| ポジティブ・コントロール | Human skin tissue. Extracts from NIH/3T3 cells. HeLa cells, treated with TNF- α . |

製品の特性

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|--------|--|
| 製品の状態 | Liquid |
| 保存方法 | Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C. |
| バッファー | Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS, 150mM Sodium chloride, pH 7.4 |
| 精製度 | Immunogen affinity purified |
| ポリ/モノ | ポリクローナル |
| アイソタイプ | IgG |

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab63353** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

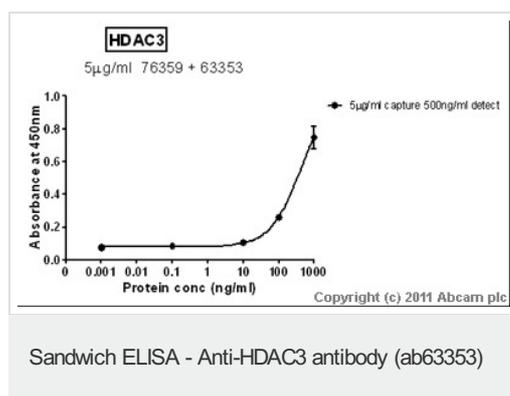
| アプリケーション | Abreviews | 特記事項 |
|----------------|-----------|--|
| Sandwich ELISA | | Use a concentration of 0.5 μ g/ml. For sandwich ELISA, use this antibody as Detection at 0.5 μ g/ml with Mouse monoclonal [7G6C5] to HDAC3 (ab76359) as Capture. |
| ELISA | | 1/5000. |

| アプリケーション | Abreviews | 特記事項 |
|----------|-----------|--|
| ICC/IF | | 1/500 - 1/1000. |
| IHC-P | | 1/50 - 1/100. |
| WB | | 1/500 - 1/1000. Detects a band of approximately 49 kDa (predicted molecular weight: 49 kDa). |

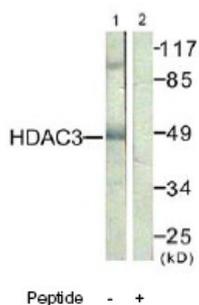
ターゲット情報

| | |
|-------|--|
| 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. Probably participates in the regulation of transcription through its binding to the zinc-finger transcription factor YY1; increases YY1 repression activity. Required to repress transcription of the POU1F1 transcription factor. Acts as a molecular chaperone for shuttling phosphorylated NR2C1 to PML bodies for sumoylation. |
| 組織特異性 | Widely expressed. |
| 配列類似性 | Belongs to the histone deacetylase family. HD type 1 subfamily. |
| 翻訳後修飾 | Sumoylated in vitro. |
| 細胞内局在 | Nucleus. |

画像



Standard Curve for HDAC3 (Analyte: [HDAC3 protein \(Tagged\) \(ab82071\)](#)); dilution range 1 pg/ml to 1 ug/ml using Capture Antibody [Mouse monoclonal \[7G6C5\] to HDAC3 \(ab76359\)](#) at 5 ug/ml and Detector Antibody [Rabbit polyclonal to HDAC3 \(ab63353\)](#) at 0.5 ug/ml.



Western blot - Anti-HDAC3 antibody (ab63353)

All lanes : Anti-HDAC3 antibody (ab63353) at 1/500 dilution

Lane 1 : extracts from NIH/3T3 cells, without immunizing peptide

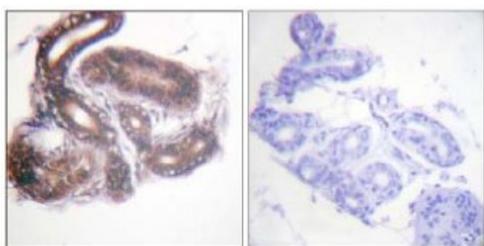
Lane 2 : extracts from NIH/3T3 cells, with immunizing peptide

Predicted band size: 49 kDa

Observed band size: 49 kDa

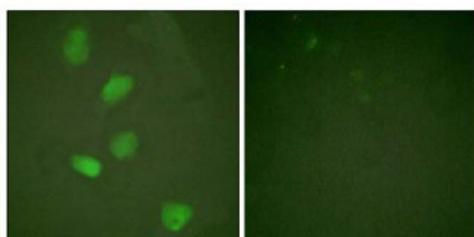
Additional bands at: 100 kDa. We are unsure as to the identity of these extra bands.

The amount of positive control loading for the WB is 5-30 ug of total protein. The amount of the peptide for the WB is 5-10 ug.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HDAC3 antibody (ab63353)

Immunohistochemical analysis of HDAC3 expression in paraffin-embedded human skin tissue, using ab63353 at 1/50 dilution. Right: sample treated with immunising peptide. Left: untreated sample.



TNF-a + -

Immunocytochemistry/ Immunofluorescence - Anti-HDAC3 antibody (ab63353)

Immunofluorescence analysis of HDAC3 expression in HeLa cells, using ab63353 at 1/500 dilution. Left: Cells treated with TNF-a (20nM, 15mins). Right: Untreated cells.

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