



Anti-HDAC2 antibody [HDAC2-62] ab12169

★★★★★ [6 Abreviews](#) [75 References](#) [3 图像](#)

概述

产品名称	Anti-HDAC2抗体[HDAC2-62]
描述	小鼠单克隆抗体[HDAC2-62] to HDAC2
宿主	Mouse
经测试应用	适用于: IP, WB
种属反应性	与反应: Mouse, Human
免疫原	Synthetic peptide: SGEKTDTKGTKSEQLSNP with N-terminally added Cysteine conjugated to KLH, corresponding to amino acids 471-488 of Human HDAC2.
	 Run BLAST with  Run BLAST with
阳性对照	Whole cell extracts from NIH-3T3 cells.
常规说明	<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&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: 0.0268% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	HDAC2-62

同种型

IgG2b

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab12169于以下的经测试应用

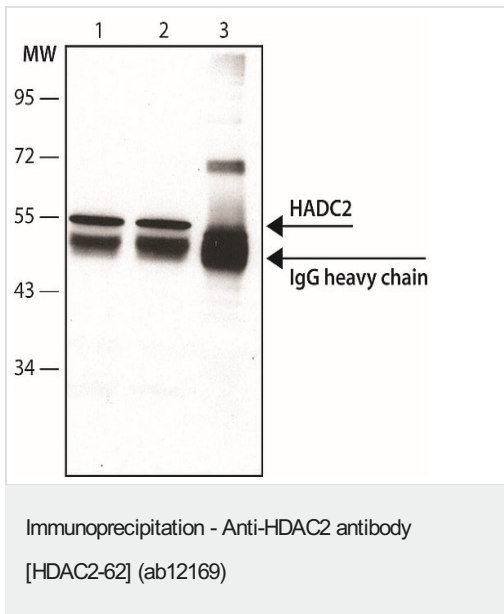
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IP		Use at an assay dependent concentration.
WB	★★★★★ (3)	Use a concentration of 0.25 - 0.5 µg/ml. Detects a band of approximately 55 kDa.

靶标

功能	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. Forms transcriptional repressor complexes by associating with MAD, SIN3, YY1 and N-COR. Interacts in the late S-phase of DNA-replication with DNMT1 in the other transcriptional repressor complex composed of DNMT1, DMAP1, PCNA, CAF1. Deacetylates TSHZ3 and regulates its transcriptional repressor activity.
组织特异性	Widely expressed; lower levels in brain and lung.
序列相似性	Belongs to the histone deacetylase family. HD type 1 subfamily.
翻译后修饰	S-nitrosylated by GAPDH. In neurons, S-Nitrosylation at Cys-262 and Cys-274 does not affect the enzyme activity but abolishes chromatin-binding, leading to increases acetylation of histones and activate genes that are associated with neuronal development. In embryonic cortical neurons, S-Nitrosylation regulates dendritic growth and branching.
细胞定位	Nucleus.

图片



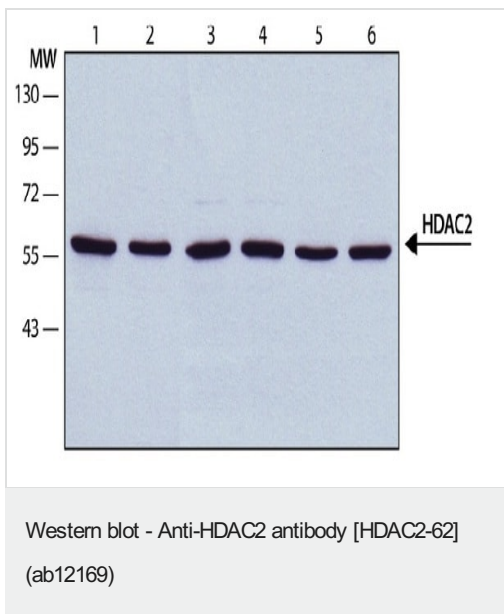
Western Blot using Rabbit anti-HDAC2

Lane 1 : Anti-HDAC2 antibody [HDAC2-62] (ab12169) at 5 μ g

Lane 2 : Anti-HDAC2 antibody [HDAC2-62] (ab12169) at 2.5 μ g

Lane 3 : Negative Control at 5 μ g

All lanes : HeLa whole cell extract



All lanes : Anti-HDAC2 antibody [HDAC2-62] (ab12169) at 0.5 μ g/ml

Lane 1 : Hek293T cell Lysate

Lane 2 : HeLa cell Lysate

Lane 3 : Jurkat cell Lysate

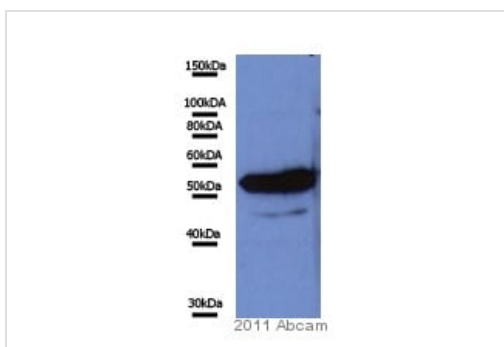
Lane 4 : K562 cell Lysate

Lane 5 : Neuro-2a cell Lysate

Lane 6 : NIH-3T3 cell Lysate

Secondary

All lanes : Goat Anti-Mouse IgG-Peroxidase



Anti-HDAC2 antibody [HDAC2-62] (ab12169) at 1/250 dilution +
Human glioblastoma cell line at 120 μ g

Secondary

HRP-conjugated Goat anti-Mouse at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Observed band size: 55 kDa

Additional bands at: 45 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 5 minutes

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors