

# Alexa Fluor® 488 Anti-HDAC9 antibody [EPR5223] ab206713

**重组 RabMAb**

## 2 图像

### 概述

|       |   |
|-------|---|
| 产品名称  | Alexa Fluor® 488 荧光 Anti-HDAC9 抗体[EPR5223]  |
| 描述    | Alexa Fluor® 488 荧光 兔单克隆抗体[EPR5223] to HDAC9  |
| 宿主    | Rabbit  |
| 偶联物   | Alexa Fluor® 488. Ex: 495nm, Em: 519nm  |
| 经测试应用 | <b>适用于:</b> ICC/IF  |
| 种属反应性 | <b>与反应:</b> Human   |
| 免疫原   | Synthetic peptide within Human HDAC9 aa 1-100 (N terminal). The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <b>contact</b> our Scientific Support team to discuss your requirements.<br>Database link: <a href="#">Q9UKV0</a> |

 [Run BLAST with](#)

 [Run BLAST with](#)

**阳性对照** ICC/IF: HeLa cells

**常规说明** This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

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## 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 long term. Stable for 12 months at -20°C. Store In the Dark. |
| 存储溶液 | pH: 7.40<br>Preservative: 0.02% Sodium azide<br>Constituents: 1% BSA, 30% Glycerol (glycerin, glycerine), PBS  |
| 纯度   | Protein A purified   |
| 克隆   | 单克隆  |
| 克隆编号 | EPR5223  |
| 同种型  | IgG  |

## 应用

**The Abpromise guarantee**      **Abpromise™** 承诺保证使用 ab206713 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  |
|--------|------|---|
| ICC/IF |      | 1/10000.<br>This product gave a positive signal in HeLa cells fixed with 4% formaldehyde (10 min) and 100% methanol (5 min) |

## 靶标

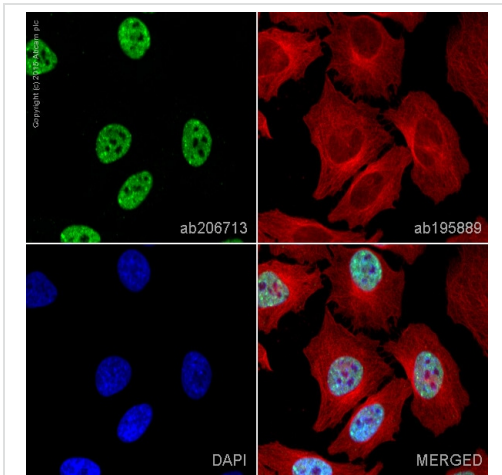
|       |  |
|-------|--|
| 功能    | Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Represses MEF2-dependent transcription.<br>Isoform 3 lacks active site residues and therefore is catalytically inactive. Represses MEF2-dependent transcription by recruiting HDAC1 and/or HDAC3. Seems to inhibit skeletal myogenesis and to be involved in heart development. Protects neurons from apoptosis, both by inhibiting JUN phosphorylation by MAPK10 and by repressing JUN transcription via HDAC1 recruitment to JUN promoter. |
| 组织特异性 | Broadly expressed, with highest levels in brain, heart, muscle and testis. Isoform 3 is present in human bladder carcinoma cells (at protein level).   |
| 疾病相关  | Note=A chromosomal aberration involving HDAC9 is found in a family with Peters anomaly. Translocation t(1;7)(q41;p21) with TGFB2 resulting in lack of HDAC9 protein.   |
| 序列相似性 | Belongs to the histone deacetylase family. HD type 2 subfamily.  |
| 翻译后修饰 | Phosphorylated on Ser-220 and Ser-450; which promotes 14-3-3-binding, impairs interaction with   |

MEF2, and antagonizes antimyogenic activity. Phosphorylated on Ser-240; which impairs nuclear accumulation (By similarity). Isoform 7 is phosphorylated on Tyr-1010. Phosphorylated by the PKC kinases PKN1 and PKN2, impairing nuclear import. Sumoylated.

细胞定位

Nucleus.

图片







ab206713 staining HDAC9 in HeLa cells. The cells were fixed with 4% formaldehyde (10 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab206713 at a 1/10000 dilution (shown in green) and [ab195889](#), Mouse monoclonal to alpha Tubulin (Alexa Fluor® 594), at a 1/250 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was taken with a confocal microscope (Leica-Microsystems, TCS SFB).

This product also gave a positive signal under the same testing conditions in HeLa cells fixed with 100% methanol (5 min)

Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 488 Anti-HDAC9 antibody [EPR5223] (ab206713)

Why choose a recombinant antibody?

|  |  |
|--|--|
|  <p><b>Research with confidence</b><br/>Consistent and reproducible results</p> |  <p><b>Long-term and scalable supply</b><br/>Recombinant technology</p> |
|  <p><b>Success from the first experiment</b><br/>Confirmed specificity</p>      |  <p><b>Ethical standards compliant</b><br/>Animal-free production</p>   |

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

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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