

Product datasheet

Anti-HDAC5 antibody ab55403

★★★★☆ 3 Abreviews 5 References 2 图像

概述

产品名称	Anti-HDAC5抗体
描述	兔多克隆抗体to HDAC5
宿主	Rabbit
特异性	ab55403 detects endogenous levels of total HDAC5 protein.
经测试应用	适用于: WB, IHC-P, ELISA, ICC/IF, IHC-FoFr
种属反应性	与反应: Mouse, Human
免疫原	Synthetic peptide corresponding to Human HDAC5. Immunogen range: 225-274. Around Serine 259. Database link: Q9UQL6
阳性对照	Human breast carcinoma tissue and HepG2 cell extract.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg ²⁺ and Ca ²⁺), 150mM Sodium chloride, pH 7.4
纯度	Immunogen affinity purified
纯化说明	ab55403 was affinity purified from rabbit antiserum by affinity chromatography using epitope specific immunogen.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab55403** in the following tested applications.

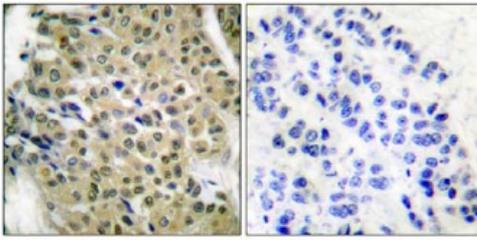
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB	★★★★☆	1/500 - 1/1000. Detects a band of approximately 122 kDa (predicted molecular weight: 122 kDa).
IHC-P		Use at an assay dependent concentration.
ELISA		1/5000.
ICC/IF		1/100. PubMed: 23469282
IHC-FoFr		Use at an assay dependent concentration. PubMed: 21526203

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. 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.
组织特异性	Ubiquitous.
序列相似性	Belongs to the histone deacetylase family. HD type 2 subfamily.
结构域	The nuclear export sequence mediates the shuttling between the nucleus and the cytoplasm.
翻译后修饰	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.
细胞定位	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.

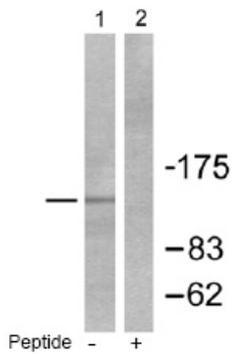
图片



Peptide - +

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HDAC5 antibody (ab55403)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ab55403 (1/50 dilution) in the presence and absence of the immunizing peptide.



Western blot - HDAC5 antibody (ab55403)

All lanes : Anti-HDAC5 antibody (ab55403) at 1/500 dilution

Lane 1 : HepG2 cell extract, without immunizing peptide

Lane 2 : HepG2 cell extract, with immunizing peptide

Predicted band size: 122 kDa

Observed band size: 122 kDa

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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