


Anti-HDAC5 (phospho S498) antibody ab47283

★★★★★ [1 Abreviews](#) [14 References](#) [画像数 2](#)

製品の概要

製品名	Anti-HDAC5 (phospho S498) antibody
製品の詳細	Rabbit polyclonal to HDAC5 (phospho S498)
由来種	Rabbit
アプリケーション	適用あり: ELISA, WB, IHC-P
種交差性	交差種: Mouse, Human 交差が予測される動物種: Rat 
免疫原	Synthetic peptide corresponding to Human HDAC5 (phospho S498). Immunogen range: 464-513 Database link: Q9UQL6
ポジティブ・コントロール	NIH/3T3 cell extracts; Breast carcinoma tissue
特記事項	<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>

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	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol, 0.87% Sodium chloride
精製度	Immunogen affinity purified
特記事項 (精製)	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
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

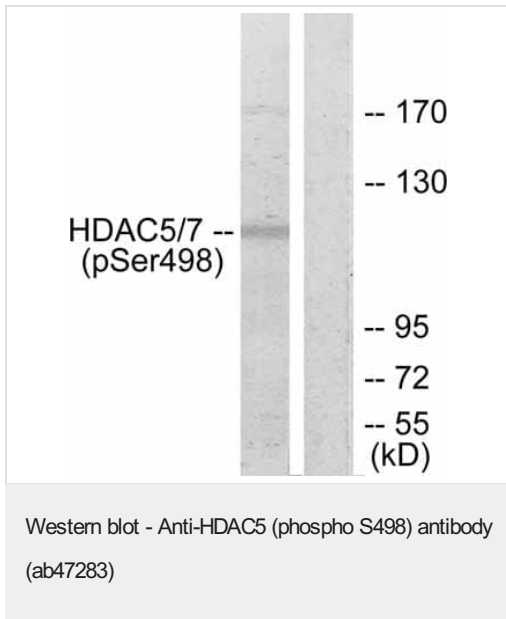
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab47283の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ELISA		Use at an assay dependent concentration.
WB	★★★★★ (1)	1/500 - 1/1000. Detects a band of approximately 118 kDa (predicted molecular weight: 122 kDa).
IHC-P		Use at an assay dependent concentration.

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



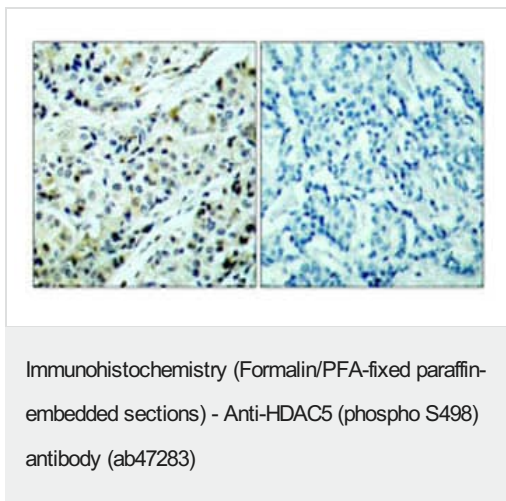
All lanes : Anti-HDAC5 (phospho S498) antibody (ab47283) at 1/500 dilution

Lane 1 : Extracts from NIH/ 3T3 cells

Lane 2 : Extracts from NIH/ 3T3 cells; ab47283 preincubated with immunising peptide (blocking)

Predicted band size: 122 kDa

Observed band size: 118 kDa



ab47283 (1/100) staining HDAC5 (phospho S498) in paraffin embedded human breast carcinoma tissue. For the right hand panel, ab47283 was pre-incubated with the immunizing peptide (blocking).

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