

# HDAC4(Phospho-Ser632) Antibody

Catalog No: #11192

Package Size: #11192-1 50ul #11192-2 100ul

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## Description

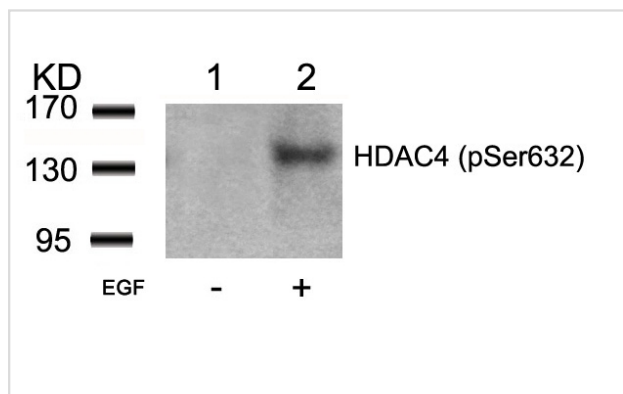
Product Name	HDAC4(Phospho-Ser632) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of HDAC4 only when phosphorylated at serine 632.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 632 (A-Q-S(p)-S-P) derived from Human HDAC4.
Target Name	HDAC4
Modification	Phospho
Other Names	HD4
Accession No.	Swiss-Prot: P56524NCBI Protein: NP_006028.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

## Application Details

Predicted MW: 140kd

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extracts from 293 cells untreated(lane 1) or treated with EGF(lane 2) using HDAC4(Phospho-Ser632) Antibody #11192.

## Background

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 via its interaction with the myocyte enhancer factors such as MEF2A, MEF2C and MEF2D.

Wang AH, et al. (2000) Mol Cell Biol. 20(18): 6904-6912.

Grozinger CM, et al. (2000) Proc Natl Acad Sci U S A. 97(14): 7835-7840.

## Published Papers

S Lim, M Luo, M Koh et al., Distinct Mechanisms Involving Diverse Histone Deacetylases Repress Expression of the Two Gonadotropin  $\beta$ -Subunit Genes in Immature Gonadotropes, and Their Actions Are Overcome by Gonadotropin-Releasing Hormone., Molecular and Cellular Biology, 27(11):4105-4120(2007)

[PMID:17371839](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.