

HDAC1 Antibody | anti-HDAC1 antibody

HDAC1 (Phospho-Ser421/423) Antibody

CATALOG # AAA111235	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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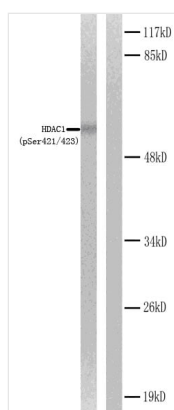
PRODUCT SYNONYMS

HDAC1; HDAC1 (Phospho-Ser421/423) Antibody; anti-HDAC1 antibody

PRODUCT SPECIFICATIONS

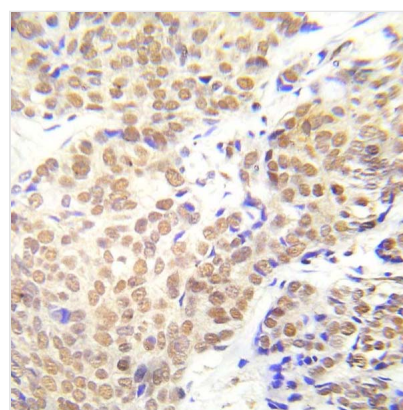
Reactivity	Human, Mouse, Rat
Specificity	HDAC1 (Phospho-Ser421/423) antibody detects endogenous levels of HDAC1 only when phosphorylated at serine 421/423.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	482
Applicable Applications for anti-HDAC1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human HDAC1 around the phosphorylation site of serine 421/423 (E-F-SP-D-SP-E-E).
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HELA cells. Left: Using HDAC1 (Phospho-Ser421/423) antibody. Right: Using the same antibody preincubated with synthesized peptide.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using HDAC1 (Phospho-Ser421/423) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-HDAC1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
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References	Dephoure N, et al. (2008) Proc Natl Acad Sci U S A 105, 10762-7. Han G, et al. (2008) Proteomics 8, 1346-61. Molina H, et al. (2007) Proc Natl Acad Sci U S A 104, 2199-204. Olsen JV, et al. (2006) Cell 127, 635-48. Pflum MK, Tong JK, et al. (2001) J Biol Chem 276, 47733-41. Marmorstein, R. et al. (2001) Cell. Mol. Life Sci. 58, 693-703.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13128860
NCBI GeneID	3065
NCBI Accession #	NP_004955.2
NCBI GenBank Nucleotide #	NM_004964.2
UniProt Accession #	Q13547; Q92534
Molecular Weight	55,103 Da
NCBI Official Full Name	histone deacetylase 1
NCBI Official Synonym Full Names	histone deacetylase 1
NCBI Official Symbol	HDAC1
NCBI Official Synonym Symbols	HD1; RPD3; GON-10; RPD3L1
NCBI Protein Information	histone deacetylase 1
UniProt Protein Name	Histone deacetylase 1
UniProt Gene Name	HDAC1
UniProt Synonym Gene Names	RPD3L1; HD1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.