HDAC8(Phospho-Ser39) Antibody

Catalog No: #11128

Package Size: #11128-1 50ul #11128-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	HDAC8(Phospho-Ser39) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
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 chromatogramphy using non-phosphopeptide.
Applications	IHC IF
Species Reactivity	Human
Specificity	The antibody detects endogenous level of HDAC8 only when phosphorylated at serine 39.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 39 (R-A-S(p)-M-V) derived from Human HDAC8.
Conjugates	Unconjugated
Target Name	HDAC8
Modification	Phospho
Other Names	HD8; HDA8; HDACL1
Accession No.	Swiss-Prot: Q9BY41NCBI Protein: NP_001159890.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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.

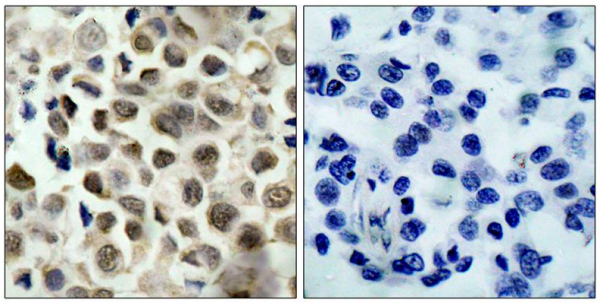
Application Details

Predicted MW: 42kd

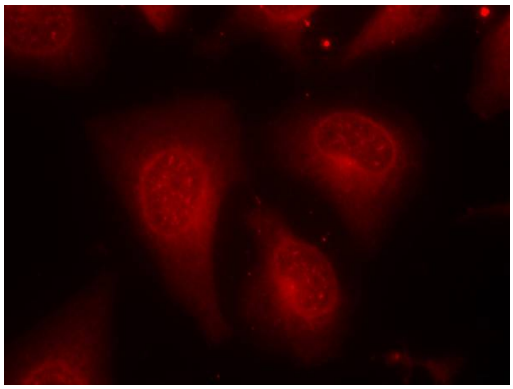
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

Images



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using HDAC8(Phospho-Ser39) Antibody #11128(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed Hela cells using HDAC8(Phospho-Ser39) Antibody #11128.

Background

Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by HDAC8 gene belongs to class I of the histone deacetylase family. It catalyzes the deacetylation of lysine residues in the histone N-terminal tails and represses transcription in large multiprotein complexes with transcriptional co-repressors. Multiple transcript variants encoding different isoforms have been found for this gene.

Lee H, et al. (2004) Mol Cell Biol. 24(2): 765-773.

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