

Rabbit anti-Human HDAC8 Polyclonal Antibody | anti-HDAC8 antibody

HDAC8 (Phospho-Ser39) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301118	Rabbit	Human	Immunofluorescence, Immunohistochemistry

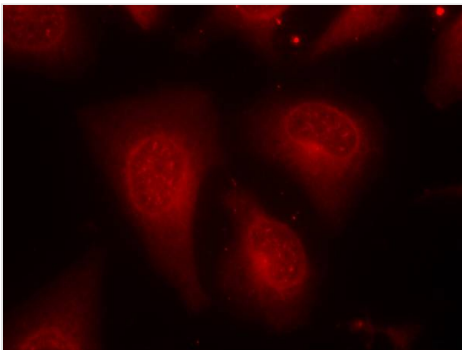
PRODUCT SYNONYMS

HDAC8; Polyclonal Antibody; HDAC8 (Phospho-Ser39) Antibody; HD8; HDA8; HDACL1; anti-HDAC8 antibody

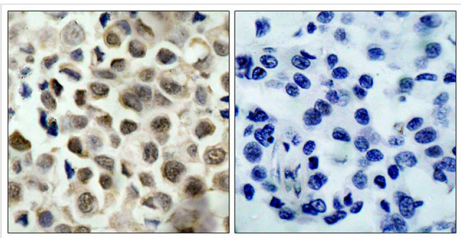
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of HDAC8 only when phosphorylated at serine 39.
Purity/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
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	286
Applicable Applications for anti-HDAC8 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 39 (R-A-S(p)-M-V) derived from Human HDAC8.
Modification	Phospho-Ser39
Target Name	HDAC8
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.

IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of methanol-fixed HeLa cells using HDAC8(Phospho-Ser39) Antibody.



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

ADDITIONAL INFORMATION

Related Product Information for anti-HDAC8 antibody	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.
Product Categories/Family for anti-HDAC8 antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	262073088
NCBI GeneID	55869
NCBI Accession #	NP_001159890.1
NCBI GenBank Nucleotide #	NM_001166418.1
UniProt Accession #	Q9BY41; Q86VC8; Q9NP76; Q9NYH4; A6ND12; A6ND61; A6NET3; A6NJR3; A8MQ62; B4DKN0; B4DV22
Molecular Weight	16,050 Da
NCBI Official Full Name	histone deacetylase 8 isoform 2
NCBI Official Synonym Full Names	histone deacetylase 8
NCBI Official Symbol	HDAC8
NCBI Official Synonym Symbols	HD8; WTS; RPD3; CDA07; CDLS5; MRXS6; HDACL1
NCBI Protein Information	histone deacetylase 8
UniProt Protein Name	Histone deacetylase 8
UniProt Gene Name	HDAC8
UniProt Synonym Gene Names	HDACL1; HD8
UniProt Entry Name	HDAC8_HUMAN

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.