

**HDAC8 (phospho Ser39) rabbit pAb****Cat#: orb764200 (Manual)**

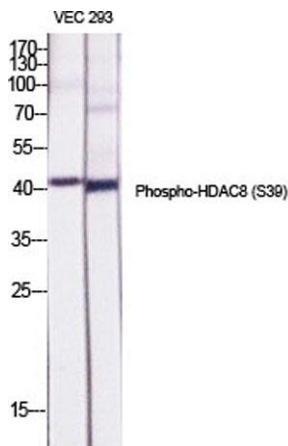
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	HDAC8 (phospho Ser39) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human HDAC8 around the phosphorylation site of Ser39. AA range:5-54
<b>Specificity</b>	Phospho-HDAC8 (S39) Polyclonal Antibody detects endogenous levels of HDAC8 protein only when phosphorylated at S39.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Histone deacetylase 8
<b>Gene Name</b>	HDAC8
<b>Cellular localization</b>	Nucleus . Chromosome . Cytoplasm . Excluded from the nucleoli (PubMed:10748112). Found in the cytoplasm of cells showing smooth muscle differentiation (PubMed:15772115, PubMed:16538051). .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

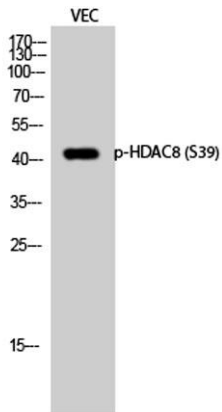
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	
<b>Human Gene ID</b>	55869
<b>Human Swiss-Prot Number</b>	Q9BY41
<b>Alternative Names</b>	HDAC8; HDACL1; CDA07; Histone deacetylase 8; HD8

## Background

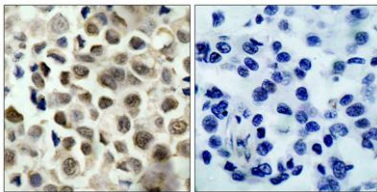
Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to class I of the histone deacetylase family. 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. [provided by RefSeq, Oct 2009],



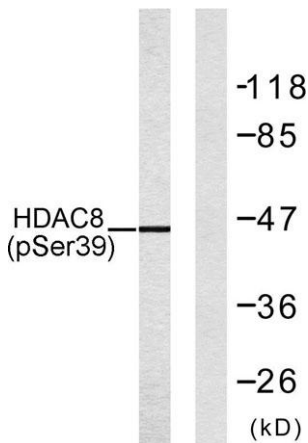
**Western Blot analysis of various cells using Phospho-HDAC8 (S39) Polyclonal Antibody diluted at 1:500**



Western Blot analysis of VEC cells using Phospho-HDAC8 (S39) Polyclonal Antibody diluted at 1:500



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using HDAC8 (Phospho-Ser39) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from NIH/3T3 cells, using HDAC8 (Phospho-Ser39) Antibody. The lane on the right is blocked with the phospho peptide.