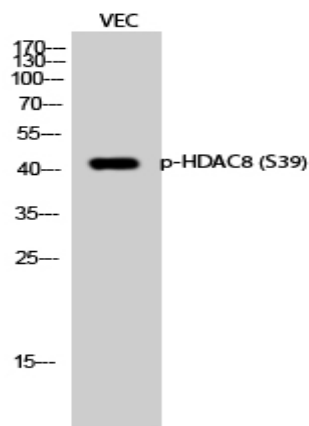


**HDAC8 (phospho Ser39) Polyclonal Antibody**

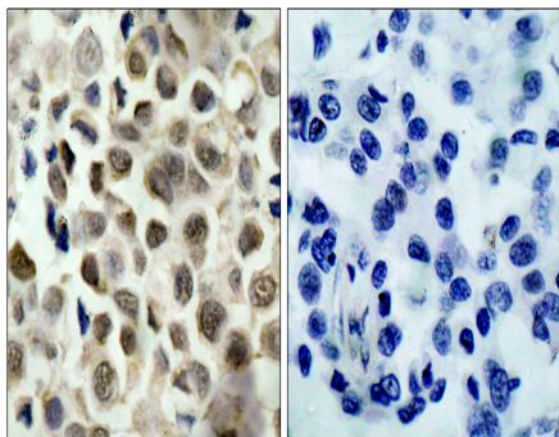
<b>Catalog No :</b>	YP0127
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	HDAC8
<b>Fields :</b>	>>Neutrophil extracellular trap formation;>>Alcoholism;>>Viral carcinogenesis
<b>Gene Name :</b>	HDAC8
<b>Protein Name :</b>	Histone deacetylase 8
<b>Human Gene Id :</b>	55869
<b>Human Swiss Prot No :</b>	Q9BY41
<b>Mouse Gene Id :</b>	70315
<b>Mouse Swiss Prot No :</b>	Q8VH37
<b>Rat Gene Id :</b>	1.00912e+008
<b>Rat Swiss Prot No :</b>	B1WC68
<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>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200

<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	42kD
<b>Cell Pathway :</b>	Protein_Acetylation
<b>Background :</b>	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],
<b>Function :</b>	<p>catalytic activity:Hydrolysis of an N(6)-acetyl-lysine residue of a histone to yield a deacetylated histone.,caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,function: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.,miscellaneous:Its activity is inhibited by trichostatin A (TSA) and butyrate, two well known histone deacetylase inhibitors.,similarity:Belongs to the histone deacetylase family. Type 1 subfamily.,subcellular location:Excluded from the nucleoli.,subunit:Interacts with PEPB2-MYH11, a f</p>
<b>Subcellular Location :</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>Expression :</b>	Weakly expressed in most tissues. Expressed at higher level in heart, brain, kidney and pancreas and also in liver, lung, placenta, prostate and kidney.
<b>Sort :</b>	7301
<b>No4 :</b>	1
<b>Host :</b>	Rabbit

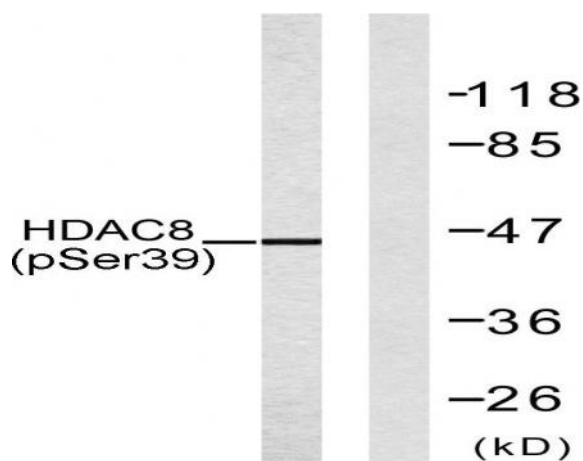
## Products Images



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.