

### 35-1124: Polyclonal Antibody to HDAC8 (Phospho-Ser39)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	IHC,IF
<b>Reactivity :</b>	Human
<b>Gene :</b>	HDAC8
<b>Gene ID :</b>	55869
<b>Uniprot ID :</b>	Q9BY41
<b>Format :</b>	Purified
<b>Alternative Name :</b>	HD8, HDA8, HDACL1
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around phosphorylation site of serine 39 (R-A-S(p)-M-V) derived from Human HDAC8.

#### Description

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 Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

#### Application Note

Predicted MW: 42kd, Immunohistochemistry: 1:50~1:100, Immunofluorescence: 1:100~1:200

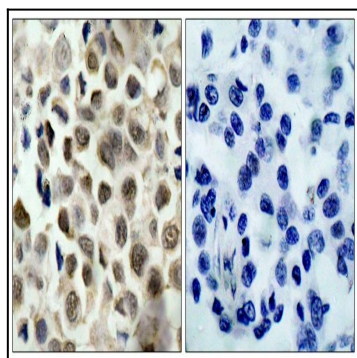


Figure 1: Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using HDAC8(Phospho-Ser39) Antibody 35-1124 (left) or the same antibody preincubated with blocking peptide(right).

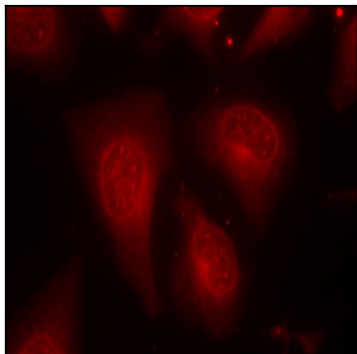


Figure 2: Immunofluorescence staining of methanol-fixed Hela cells using HDAC8(Phospho-Ser39) Antibody 35-1124 .