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

Clonality: Polyclonal
Application: IHC,IF
Reactivity: Human
Gene: HDAC8
Gene ID: 55869
Uniprot ID: Q9BY41
Format: Purified

Alternative Name: HD8, HDA8, HDACL1

**Isotype:** Rabbit IgG

Immunogen Information: 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**

**Amount :** 50 μl / 100 μl

Content: 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 condition :** 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

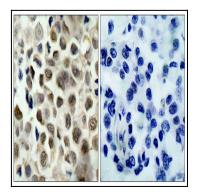


Figure 1: Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using HDAC8(Phospho-Ser39) Antibody 35-1124 (left) or the same antibody preincubated with blocking peptide(right).



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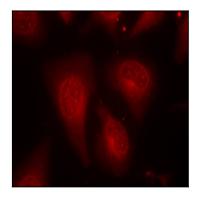


Figure 2: Immunofluorescence staining of methanol-fixed Hela cells using HDAC8(Phospho-Ser39) Antibody 35-1124 .