



## PRODUCT DATA SHEET

**Product:** Anti-Histone Deacetylase 1 (HDAC1) pAb

**Cat. No.:** PC-361 (100 µg)

**Background:**

HDAC1 is an active component of transcriptional corepressor complexes which can be recruited to specific promoter regions via transcriptional factors. HDAC1 catalyzes removal of acetyl-groups from acetyl-lysines of histones and promotes compaction of chromatin in these regions, which leads to the inhibition of gene transcription.

**Host:**

Rabbit

**Immunogen:**

Synthetic peptide corresponding to the C-terminus of human HDAC1.

**Species Reactivity:**

Human, mouse and rat.

**Specificity:**

The antibody detects the 62 kDa histone deacetylase 1. It does not cross-react with other HDAC proteins including HDAC2, 3, 4, 5, 6, 7, and 8.

**Format:**

100 µg (0.5 mg/mL) peptide affinity purified rabbit anti-HDAC1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.01% thimerosal and protein stabilizer.

**Storage:**

Store at -20°C. For long term storage, aliquot and store at -70°C. Avoid repeated freeze/thaw cycles.

**Applications:**

- Western blot: Use at 0.5-4 µg/mL.
- Immunohistochemistry: Use at 10-20 µg/mL.
- Immunoprecipitation: Use at 10-20 µg/mL.

The optimal dilution for a specific application should be determined by the researcher.

**Limitations:**

For *in vitro* research use only. Not for use in diagnostics or in humans.

**Warranty:**

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.