



# Anti-HDAC1 (aa 385-396) polyclonal antibody (DPAB-DC1939)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	HDAC1 (histone deacetylase 1) is a protein-coding gene. Diseases associated with HDAC1 include atrichia with papular lesions, and chromosome 1p deletion, and among its related super-pathways are Constitutive Signaling by NOTCH1 PEST Domain Mutants and Notch signaling pathway. GO annotations related to this gene include enzyme binding and sequence-specific DNA binding transcription factor activity. An important paralog of this gene is HDAC2.
<b>Specificity</b>	This antibody may cross-react to HDAC2.
<b>Immunogen</b>	A synthetic peptide corresponding to amino acids 385-396 at internal region of mouse Hdac1. The sequence is C-PEDAIPPEESGDE
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Mouse
<b>Purification</b>	Antigen affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Cell lysate), ELISA,
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">Hdac1 histone deacetylase 1 [ Mus musculus (house mouse) ]</a>
Official Symbol	HDAC1
Synonyms	HDAC1; histone deacetylase 1; HD1; RPD3; MommeD5; Hdac1-ps;
Entrez Gene ID	<a href="#">433759</a>
Protein Refseq	<a href="#">NP_032254</a>
UniProt ID	<a href="#">O09106</a>
Chromosome Location	4 D2.2; 4 63.26 cM
Pathway	Alcoholism; Amphetamine addiction; Androgen Receptor Signaling Pathway; Cell Cycle, Mitotic
Function	DNA binding; Krueppel-associated box domain binding; NAD-dependent histone deacetylase activity (H3-K14 specific); NAD-dependent histone deacetylase activity (H3-K18 specific)