

Product datasheet for **TA349072**

HDAC1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1 - 2 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	HDAC1 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human HDAC1.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	HDAC1 antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 53 kDa; Observed: 54 kDa
Gene Name:	histone deacetylase 1
Database Link:	NP_004955 Entrez Gene 297893 RatEntrez Gene 433759 MouseEntrez Gene 3065 Human Q13547
Background:	The histone deacetylase (HDAC) family contains multiple members which are divided into four classes. Class I of the HDAC family comprises four members, HDAC1, 2, 3, and 8, each of which contains a deacetylase domain and exhibits a different, individual substrate specificity and function in vivo (1). HDAC1 is responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4) (1,2). HDAC1 gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events (3,4).
Synonyms:	GON-10; HD1; RPD3; RPD3L1

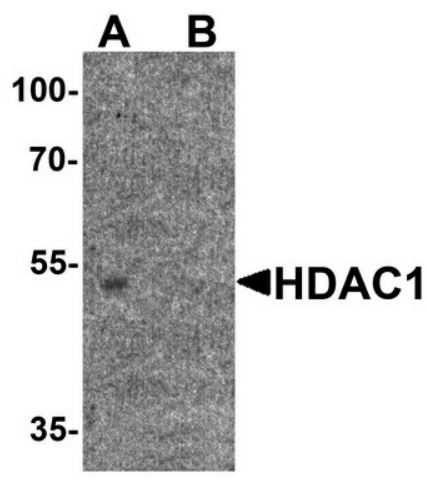


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Protein Families: Adult stem cells, Druggable Genome, Stem cell - Pluripotency, Stem cell relevant signaling - DSL/Notch pathway, Transcription Factors

Protein Pathways: Cell cycle, Chronic myeloid leukemia, Huntington's disease, Notch signaling pathway, Pathways in cancer

Product images:



Western blot analysis of HDAC1 in human brain tissue lysate with HDAC1 antibody at 1ug/mL in (A) the absence and (B) the presence of blocking peptide.