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Product datasheet for TA348969

HDAC1 Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 0.5-2 ug/ml
Reactivity:	Human, Mouse (Expected from sequence similarity: Rat, Dog)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-Histone Deacetylase 1 Antibody: Peptide with sequence C-KPEAKGVKEEVK, from the C Terminus of the protein sequence according to NP_004955.2.
Formulation:	Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	histone deacetylase 1
Database Link:	NP_004955 Entrez Gene 297893 RatEntrez Gene 433759 MouseEntrez Gene 487309 DogEntrez Gene 3065 Human Q13547

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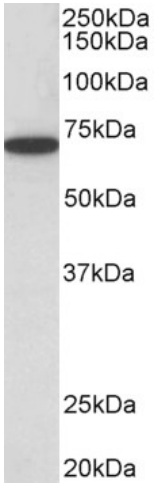
Background: Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis. [provided by RefSeq, Jul 2008]

Synonyms: GON-10; HD1; RPD3; RPD3L1

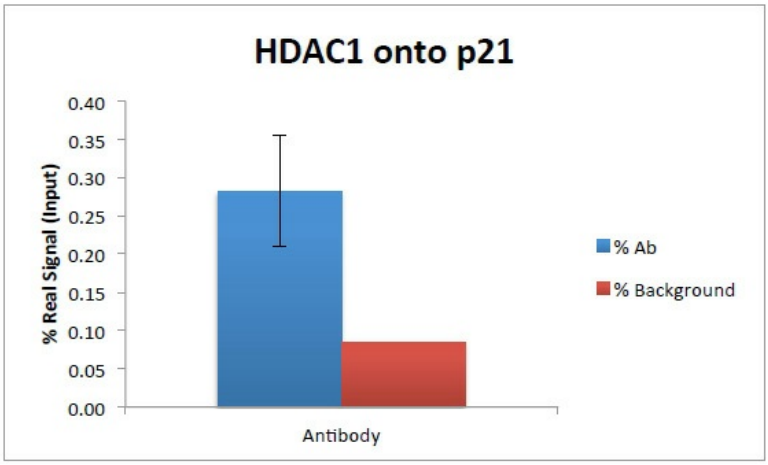
Protein Families: Adult stem cells, Druggable Genome, Stem cell - Pluripotency, Stem cell relevant signaling - DSL/Notch pathway, Transcription Factors

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

Product images:



TA348969 (0.5 ug/ml) staining of HeLa lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



ChIP of 2 ug TA348969 with 1ug MCF7 chromatin using the Chromatrap® spin column sonication kit (Protein G) measuring H3 enrichment onto the p21 locus.