

Product datasheet for **TA336893**

HDAC9 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 0.5-2 ug/ml
Reactivity:	Human, Bovine, Canine, Primate
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A portion of amino acids 100-150 of human HDAC-9 was used as the immunogen.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Peptide affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	histone deacetylase 9
Database Link:	NP_848510 Entrez Gene 9734 Human Q9UKV0

Background: HDAC-9 is a histone deacetylase with an important role in the regulation of gene expression and hematopoiesis. A nuclear protein, HDAC-9 belongs to the histone deacetylase family with several isoforms and is inhibited by Trichostatin A (TSA) and suberoylanilide hydroxamic acid. It helps in deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4) and gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. MEF2-dependent transcription is repressed by HDAC-9 by recruiting HDAC-1 and/or HDAC-3. It also inhibits skeletal myogenesis and is involved in heart development. Ubiquitous but variable expression is seen in brain and other tissues like heart, pancreas and also in human bladder carcinoma cells. Lack of HDAC-9 protein is found in a family with Peters anomaly, a central corneal leukoma.

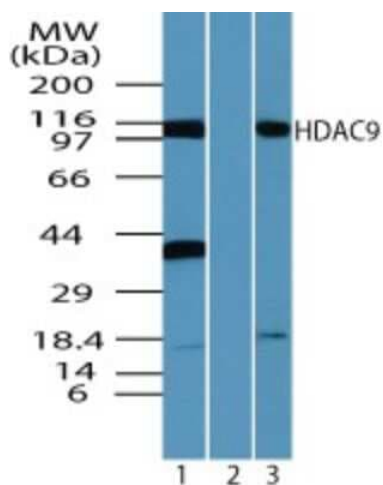


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Synonyms: HD7; HD7b; HD9; HDAC; HDAC7; HDAC7B; HDAC9B; HDAC9FL; HDRP; MITR

Protein Families: Druggable Genome, Transcription Factors

Product images:



Western Blot: HDAC9 Antibody TA336893 - Analysis of HDAC-9 in human HeLa cell lysate in the 1) absence and 2) presence of immunizing peptide and 3) and mouse RAW cell lysate using this antibody. 0 ug/ml, 1.0 ug/ml and 0.5 ug/ml respectively. Goat anti-rabbit Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.