

Product datasheet for **TA336345**

HDAC11 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	Simple Western, WB
Recommended Dilution:	Simple Western, Western Blot: 1-3 ug/ml
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	This antibody was developed by immunizing mice with a synthetic peptide (AHQGNGHERDFMDDKRVYI) of human HDAC11 (NP_055522).
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:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	histone deacetylase 11
Database Link:	NP_079103 Entrez Gene 232232 Mouse Entrez Gene 297453 Rat Entrez Gene 79885 Human Q96DB2



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Background:

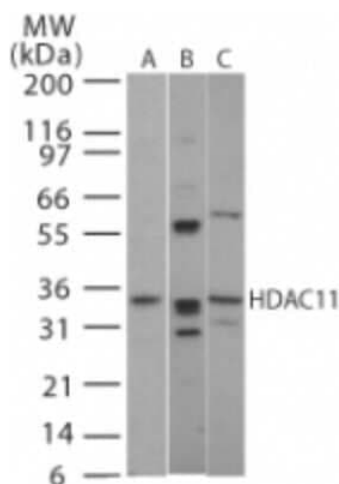
Histone deacetylase (HDAC) and histone acetyltransferase (HAT) are enzymes that regulate transcription by selectively deacetylating or acetylating the ϵ -amino groups of lysines located near the amino termini of core histone proteins. Eight members of HDAC family have been identified in the past several years. These HDAC family members are divided into two classes, I and II. Class I of the HDAC family comprises four members, HDAC-1, 2, 3, and 8, each of which contains a deacetylase domain exhibiting from 45 to 93% identity in amino acid sequence. Class II of the HDAC family comprises HDAC-4, 5, 6, and 7, the molecular weights of which are all about twofold larger than those of the class I members, and the deacetylase domains are present within the C-terminal regions, except that HDAC-6 contains two copies of the domain, one within each of the N-terminal and C-terminal regions. Human HDAC-1, 2 and 3 were expressed in various tissues, but the others (HDAC-4, 5, 6, and 7) showed tissue-specific expression patterns. Recently, a new member of this family, HDAC11, has been cloned by Gao et al. HDAC11 transcripts were limited to kidney, heart, brain, skeletal muscle, and testis. These results suggested that each member of the HDAC family exhibits a different, individual substrate specificity and function *in vivo*.

Synonyms:

HD11

Protein Families:

Druggable Genome, Transcription Factors

Product images:

Western Blot: HDAC11 Antibody TA336345 - Analysis of HDAC11 using this antibody. Brain lysate from A) human, B) mouse and C) rat brain probed with this antibody at 2 ug/ml.