

Product datasheet for **AP52023PU-N**

HDAC11 (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/1000.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 196-226 amino acids from the Central region of human HDAC11
Specificity:	This antibody recognizes Human and Mouse HDAC11 (Center).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	histone deacetylase 11
Database Link:	Entrez Gene 232232 Mouse Entrez Gene 79885 Human Q96DB2



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Background:

This gene encodes a class IV histone deacetylase. The encoded protein is localized to the nucleus and may be involved in regulating the expression of interleukin 10. Alternative splicing results in multiple transcript variants.

Function: Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4) Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes.

Cellular Location: Nucleus. Note=Predominantly nuclear.

Tissue Location: Weakly expressed in most tissues. Strongly expressed in brain, heart, skeletal muscle, kidney and testis

Synonyms:

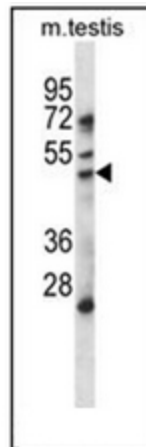
Histone deacetylase 11, HD11

Note:

Molecular Weight: 39183 Da

Protein Families:

Druggable Genome, Transcription Factors

Product images:

Western blot analysis of HDAC11 Antibody (Center) in mouse testis tissue lysates (35ug/lane). This demonstrates the HDAC11 antibody detected the HDAC11 protein (arrow).