

Anti-HDAC11 Picoband Antibody

Catalog # ABO12316

Product Information

Application	WB, IHC-P
Primary Accession	Q96DB2
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Histone deacetylase 11(HDAC11) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	79885
Other Names	Histone deacetylase 11, HD11, 3.5.1.98, HDAC11
Calculated MW	39183
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Mouse, Rat, Human, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Mouse, Rat
Subcellular Localization	Nucleus. Predominantly nuclear.
Tissue Specificity	Weakly expressed in most tissues. Strongly expressed in brain, heart, skeletal muscle, kidney and testis.
Source	Eukaryota
Protein Name	Histone deacetylase 11
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human HDAC11 (47-81aa NFLKEEKLLSDSMLVEAREASEEDLLVHTRRYLN), different from the related mouse sequence by one amino acid.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.
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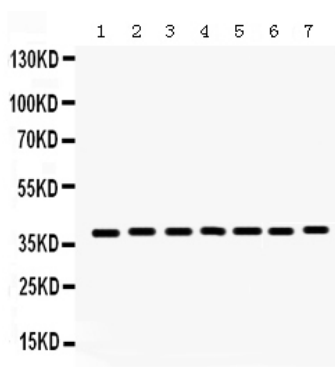
Protein Information

Name	HDAC11
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.
Tissue Location	Weakly expressed in most tissues. Strongly expressed in brain, heart, skeletal muscle, kidney and testis

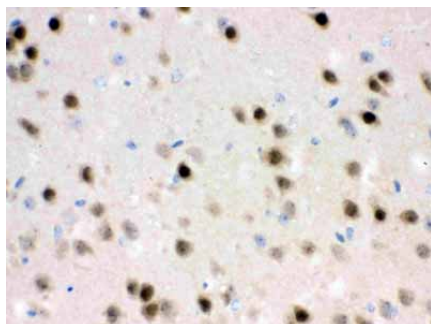
Background

Histone deacetylase 11 is a 39kDa histone deacetylase enzyme that in humans is encoded by the HDAC11 gene on chromosome 3 in humans and chromosome 6 in mice. This gene encodes a class IV histone deacetylase. And 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. HDAC11 expression is normally found in brain and testis tissue, but upregulation of HDAC11 expression has also been seen in various cancer cells. In addition, HDAC11 has been shown to be a negative regulator of IL-10 production in antigen presenting cells. It has also been shown that inhibition of HDAC11 results in increased expression of OX40L in Hodgkin lymphoma cells.

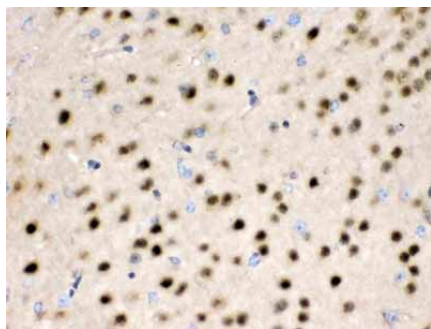
Images



Anti- HDAC11 Picoband antibody, ABO12316, Western blotting
 All lanes: Anti HDAC11 (ABO12316) at 0.5ug/ml
 Lane 1: Rat Skeletal Muscle Tissue Lysate at 50ug
 Lane 2: Rat Kidney Tissue Lysate at 50ug
 Lane 3: Rat Cardiac Muscle Tissue Lysate at 50ug
 Lane 4: NRK Whole Cell Lysate at 40ug
 Lane 5: 293T Whole Cell Lysate at 40ug
 Lane 6: HELA Whole Cell Lysate at 40ug
 Lane 7: MCF-7 Whole Cell Lysate at 40ug
 Predicted bind size: 39KD
 Observed bind size: 39KD



Anti- HDAC11 Picoband antibody, ABO12316, IHC(P)
 IHC(P): Mouse Brain Tissue



Anti- HDAC11 Picoband antibody,
ABO12316,IHC(P)IHC(P): Rat Brain Tissue

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.