

Rabbit anti-Human, mouse HDAC11 Polyclonal Antibody | anti-HDAC11 antibody

HDAC11 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286458	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

HDAC11; Polyclonal Antibody; HDAC11 Antibody (N-term); Histone deacetylase 11; HD11; anti-HDAC11 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HDAC11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human HDAC11.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	1-30
Sequence Length	296
Applicable Applications for anti-HDAC11 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

HDAC11 Antibody (M1) western blot analysis in MCF-7 cell line lysates (35ug/lane). This demonstrates the HDAC11 antibody detected the HDAC11 protein (arrow).



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

**WB (Western Blot)**

Western blot analysis of HDAC11 (arrow) using HDAC11 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the HDAC11 gene (Lane 2) (Origene Technologies).

**WB (Western Blot)**

Western blot analysis of anti-HDAC11 Pab in mouse brain tissue lysate. HDAC11 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-HDAC11 antibody	HDAC11 is 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. The predominantly nuclear HDAC11, which interacts with HDAC6, is weakly expressed in most tissues, and strongly expressed in brain, heart, skeletal muscle, kidney and testis. Its activity is inhibited by trapoxin, a known histone deacetylase inhibitor.
Product Categories/Family for anti-HDAC11 antibody	Signal Transduction
References	Voelter-Mahlknecht S, et al., Int J Mol Med. 2005 Oct;16(4):589-98. Bradbury CA, et al., Leukemia. 2005 Oct;19(10):1751-9. Gregoret IV, et al., J Mol Biol. 2004 Apr 16;338(1):17-31. Gao, L., et al., J. Biol. Chem. 277(28):25748-25755 (2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	209862883
NCBI GeneID	79885
NCBI Accession #	NP_001129513.1 ; NP_079103.2
NCBI GenBank Nucleotide #	NM_001136041.2
UniProt Accession #	Q96DB2 ; Q9H6I7 ; Q9H6X3 ; Q9NTC9 ; B4DDK1
Molecular Weight	39183
NCBI Official Full Name	histone deacetylase 11 isoform 2
NCBI Official Synonym Full Names	histone deacetylase 11
NCBI Official Symbol	HDAC11
NCBI Official Synonym Symbols	HD11
NCBI Protein Information	histone deacetylase 11
UniProt Protein Name	Histone deacetylase 11
UniProt Gene Name	HDAC11
UniProt Synonym Gene Names	HD11
UniProt Entry Name	HDA11_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hdac11-antibody-immunohistochemistry-western-blot-elisa/286458>