

Rabbit anti-Human HDAC10 Polyclonal Antibody | anti-HDAC10 antibody

HDAC10 Antibody (N-term)

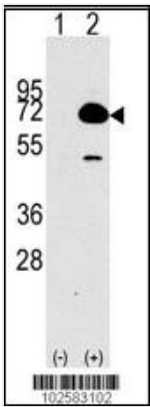
CATALOG # AAA286962	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

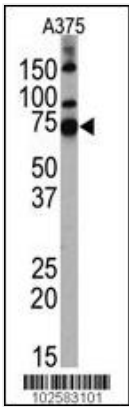
HDAC10; Polyclonal Antibody; HDAC10 Antibody (N-term); Histone deacetylase 10; HD10; anti-HDAC10 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HDAC10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 16-46 amino acids from the N-terminal region of human HDAC10.
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 purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	16-46
Sequence Length	649
Applicable Applications for anti-HDAC10 antibody	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.



WB (Western Blot)
Western blot analysis of HDAC10 (arrow) using rabbit polyclonal HDAC10 Antibody (N-term) (RB02583). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the HDAC10 gene (Lane 2) (Origene Technologies).



WB (Western Blot)
Western blot analysis of anti-HDAC10 Pab in A375 cell line lysates. HDAC10 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-HDAC10 antibody	Histone deacetylase (HDAC) and histone acetyltransferase (HAT) are enzymes that regulate transcription by selectively deacetylating or acetylating the eta-amino groups of lysines located near the amino termini of core histone proteins (1). Eight members of HDAC family have been identified in the past several years (2,3). 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 two-fold 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 (3). These results suggested that each member of the HDAC family exhibits a different, individual substrate specificity and function in vivo. HDAC8 interacts with PEPB2-MYH11, a fusion protein consisting of the 165 N-terminal residues of CBF-beta (PEPB2) with the tail region of MYH11 produced by the inversion Inv(16)(p13q22), a translocation associated with acute myeloid leukemia of M4EO subtype. The PEPB2-MYH1 fusion protein also interacts with RUNX1, a well known transcriptional regulator, suggesting that the interaction with HDAC8 may participate to convert RUNX1 into a constitutive transcriptional repressor.
Product Categories/Family for anti-HDAC10 antibody	Signal Transduction
References	Keedy, K.S. et al. J Virol. May; 83(10): 4749-7756(2009). Tong, J.J., et al., Nucleic Acids Res. 30(5):1114-1123 (2002). Fischer, D.D., et al., J. Biol. Chem. 277(8):6656-6666 (2002). Guardiola, A.R., et al., J. Biol. Chem. 277(5):3350-3356 (2002). Kao, H.Y., et al., J. Biol. Chem. 277(1):187-193 (2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	226529806
NCBI GeneID	83933
NCBI Accession #	NP_001152758.1; NP_114408.3
NCBI GenBank Nucleotide #	NM_001159286.1
UniProt Accession #	Q969S8; Q08AP4; Q6STF9; Q96P77; Q96P78; Q9H028; Q9UGX1; Q9UGX2
Molecular Weight	71445
NCBI Official Full Name	histone deacetylase 10 isoform 2

NCBI Official Synonym Full Names	histone deacetylase 10
NCBI Official Symbol	HDAC10
NCBI Official Synonym Symbols	HD10
NCBI Protein Information	histone deacetylase 10
UniProt Protein Name	Histone deacetylase 10
UniProt Gene Name	HDAC10
UniProt Synonym Gene Names	HD10
UniProt Entry Name	HDA10_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/hdac10-antibody-western-blot-elisa/286962>