

Rabbit Histone deacetylase 9 Polyclonal Antibody | anti-HDAC9 antibody

Histone deacetylase 9 Polyclonal Antibody

CATALOG # AAA322537	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunocytochemistry, Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

Histone deacetylase 9; Polyclonal Antibody; Histone deacetylase 9 Polyclonal Antibody; HD 7; HD 7B; HD 9; HD7; HD7B; HD9; HDAC 7; HDAC 7B; HDAC 9; HDAC 9B; HDAC 9FL; HDAC; HDAC7; HDAC7B; HDAC9; HDAC9_HUMAN; HDAC9B; HDAC9FL; HDRP; Histone deacetylase 4/5 related protein; Histone deacetylase 7; Histone deacetylase 7B; Histone deacetylase 9A; Histone deacetylase related protein; Histone deacetylase-related protein; KIAA0744; MEF2 interacting transcription repressor MITR; MEF2 interacting transcription repressor protein; MEF2-interacting transcription repressor MITR; MITR; anti-HDAC9 antibody

PRODUCT SPECIFICATIONS

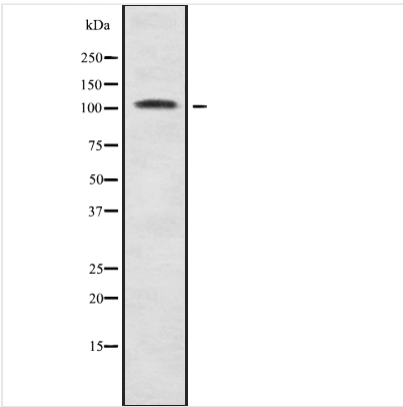
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Histone deacetylase 9 Polyclonal antibody detects endogenous levels of total Histone deacetylase 9 Polyclonal
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	588
Applicable Applications for anti-HDAC9 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Histone deacetylase 9 Polyclonal
Subcellular Location	Nucleus.
Tissue Specificity	Broadly expressed, with highest levels in brain, heart, muscle and testis. Isoform 3 is present in human bladder carcinoma cells (at protein level).
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322537 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of Histone deacetylase 9 Polyclonal using HepG2 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-HDAC9 antibody	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. Represses MEF2-dependent transcription. Subunit Structure: Homodimer. Interacts with CTBP1. The phosphorylated form interacts with 14-3-3 (By similarity). Interacts with HDAC1 and HDAC3, and probably with HDAC4 and HDAC5. Interacts with MEF2, MAPK10, ETV6, NCOR1 and BCL6. Interacts with FOXP3 in the absence of T-cell stimulation. Post-translational Modifications: Phosphorylated on Ser-220 and Ser-450; which promotes 14-3-3-binding, impairs interaction with MEF2, and antagonizes antimyogenic activity. Phosphorylated on Ser-240; which impairs nuclear accumulation (By similarity). Isoform 7 is phosphorylated on Tyr-1010. Phosphorylated by the PKC kinases PKN1 and PKN2, impairing nuclear import. Sumoylated. Similarity: Belongs to the histone deacetylase family. HD type 2 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	323423044
NCBI GeneID	9734
NCBI Accession #	NP_001191073.1
NCBI GenBank Nucleotide #	NM_001204144.2
UniProt Accession #	Q9UKV0; O94845; O95028; Q2M2R6; A7E2F3; B7Z4I4; B7Z917; B7Z928; B7Z940; C9JS87; E7EX34; F8W9E0
Molecular Weight	Observed: 110 kDa Predicted: 112 kDa
NCBI Official Full Name	histone deacetylase 9 isoform 6
NCBI Official Synonym Full Names	histone deacetylase 9
NCBI Official Symbol	HDAC9
NCBI Official Synonym Symbols	HD7; HD9; HD7b; HDAC; HDRP; MITR; HDAC7; HDAC7B; HDAC9B; HDAC9FL
NCBI Protein Information	histone deacetylase 9
UniProt Protein Name	Histone deacetylase 9
UniProt Gene Name	HDAC9
UniProt Synonym Gene Names	HDAC7; HDAC7B; HDRP; KIAA0744; MITR; HD9; HD7; HD7b

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/histone-deacetylase-9-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/322537>