HDAC9 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HDAC9, Polyclonal Antibody
Full Product Name	HDAC9 (N-Term) Rabbit pAb
Product Gene Name	anti-HDAC9 antibody
Product Synonym Names	Histone deacetylase 9; HD9; Histone deacetylase 7B; HD7; HD7b; Histone deacetylase-related protein; MEF2-interacting transcription repressor MITR; HDAC9; HDAC7; HDAC7B; HDRP; KIAA0744; MITR
Clonality	Polyclonal
Isotype	Ig
Clone Number	RB2582
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Purity/Purification	Affinity Purified
OMIM	606543
3D Structure	ModBase 3D Structure for Q9UKV0
Immunogen	This HDAC9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2-32 amino acids from the N-terminal region of human HDAC9.
Cellular Localization	Nucleus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-HDAC9 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC)
Application Notes for anti-HDAC9 antibody	WB: 1:1000 ICC: 1:1,000 IHC: 1:50-100
Related Product Information for anti-HDAC9 antibody	MBS8551422 is an antibody targeting HDAC9. Also known as HDAC9 (N-Term) Rabbit pAb. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-HDAC9 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HDAC9. It may not necessarily be applicable to this product.

NCBI GI #	323423044
NCBI GeneID	9734
NCBI Accession #	NP_001191073.1
UniProt Primary Accession #	Q9UKV0

UniProt Related Accession #	Q9UKV0
GenBank Nucleotide #	NP_001191073.1
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
UniProt Protein Name	Histone deacetylase 9
UniProt Synonym Protein Names	Histone deacetylase 7B; HD7; HD7b; Histone deacetylase-related protein; MEF2-interacting transcription repressor MITR
UniProt Gene Name	HDAC9
UniProt Synonym Gene Names	HDAC7; HDAC7B; HDRP; KIAA0744; MITR; HD9; HD7; HD7b
UniProt Entry Name	HDAC9_HUMAN
NCBI Protein Information	histone deacetylase 9
NCBI Summary for HDAC9	Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene has sequence homology to members of the histone deacetylase family. This gene is orthologous to the Xenopus and mouse MITR genes. The MITR protein lacks the histone deacetylase catalytic domain. It represses MEF2 activity through recruitment of multicomponent corepressor complexes that include CtBP and HDACs. This encoded protein may play a role in hematopoiesis. Multiple alternatively spliced transcripts have been described for this gene but the full-length nature of some of them has not been determined. [provided by RefSeq, Jul 2008]
UniProt Comments for HDAC9	HDAC9: a transcriptional regulator of the histone deacetylase family, subfamily 2. Deacetylates lysine residues on the N-terminal part of the core histones H2A, H2B, H3 AND H4. Plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Protein type: Transcription, coactivator/corepressor; Deacetylase; EC 3.5.1.98 Chromosomal Location of Human Ortholog: 7p21.1 Cellular Component: nucleoplasm; histone methyltransferase complex; transcription factor complex; histone deacetylase complex; cytoplasm; nucleus Molecular Function: protein binding; NAD-dependent histone deacetylase activity (H3-K9 specific); protein kinase C binding; NAD-dependent histone deacetylase activity (H3-K14 specific); histone deacetylase binding; metal ion binding; protein deacetylase activity; NAD-dependent histone deacetylase activity (H4-K16 specific); histone deacetylase activity; transcription corepressor activity; transcription factor binding Biological Process: Notch signaling pathway; regulation of skeletal muscle fiber development; B cell activation; transcription, DNA-dependent; cellular response to insulin stimulus; regulation of striated muscle cell differentiation; B cell differentiation; heart development; histone deacetylation; negative regulation of transcription from RNA polymerase II promoter; inflammatory response; negative regulation of transcription, DNA-dependent
Research Articles on HDAC9	**1.** HDAC9 may be a potential prognostic indicator of hepatocellular carcinoma.
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