

Rabbit HDAC9 Polyclonal Antibody | anti-HDAC9 antibody

HDAC9 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199179	Rabbit	Guinea Pig, Human, Mouse, Sheep	Western Blot, Immunohistochemistry, Chromatin Immunoprecipitation, Immunoprecipitation

PRODUCT SYNONYMS

HDAC9; Polyclonal Antibody; HDAC9 antibody - C-terminal region; anti-HDAC9 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Guinea Pig, Human, Mouse, Sheep
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: QV GAVKVKEEPV DSDEDAQIQE MESGEQAAFM QQVIGKDLAP GFVIKVII
Sequence Length	590
Applicable Applications for anti-HDAC9 antibody	WB (Western Blot), IHC (Immunohistochemistry), ChIP (Chromatin immunoprecipitation)
Homology	Guinea Pig: 100%; Human: 100%; Mouse: 100%; Sheep: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human HDAC9
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



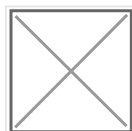
WB (Western Blot)

WB Suggested Anti-HDAC9 Antibody Titration: 1.25ug/ml
Positive Control: A172 cell lysate
HDAC9 is supported by BioGPS gene expression data to be expressed in A172



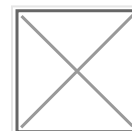
WB (Western Blot)

Host: Rabbit
Target Name: HDAC9
Sample Tissue: Human Fetal Brain
Antibody Dilution: 1.0ug/ml



IHC (Immunohistochemistry)

Rabbit Anti-HDAC9 Antibody
Paraffin Embedded Tissue: Human alveolar cell
Cellular Data: Epithelial cells of renal tubule
Antibody Concentration: 4.0-8.0 ug/ml
Magnification: 400X



IHC (Immunohistochemistry)

Human kidney



ChIP (Chromatin Immunoprecipitation)

Chromatin Immunoprecipitation (ChIP) Using HDAC9 antibody - C-terminal region and HCT116 Cells

ADDITIONAL INFORMATION

Related Product Information for anti-HDAC9 antibody	This is a rabbit polyclonal antibody against HDAC9. It was validated on Western Blot and immunohistochemistry Target Description: 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. HDAC9 has sequence homology to members of the histone deacetylase family. The MITR protein lacks the histone deacetylase catalytic domain. It represses MEF2 activity through recruitment of multicomponent corepressor complexes that include CtBP and HDACs. HDAC9 may play a role in hematopoiesis. 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.
Product Categories/Family for anti-HDAC9 antibody	Polyclonal; Cell Cycle Proteins; Lymphocyte Signaling; Transcription Regulation; Chromatin & Nuclear Signaling; Developmental Biology; Epigenetics; Meiosis/Mitosis/Cell Cycle; Immunohistochemistry; Chromatin Immunoprecipitation; Acetylation; Transcription

NCBI AND UNIPROT INFORMATION

NCBI GI #	7662280
NCBI GeneID	9734
NCBI Accession #	NP_055522
NCBI GenBank Nucleotide #	NM_014707
UniProt Accession #	Q9UKV0
Molecular Weight	65kDa
NCBI Official Full Name	histone deacetylase 9 isoform 3
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
UniProt Entry Name	HDAC9_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.