

Rabbit anti-Human HDAC9 Polyclonal Antibody | anti-HDAC9 antibody

HDAC9 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA304351	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot

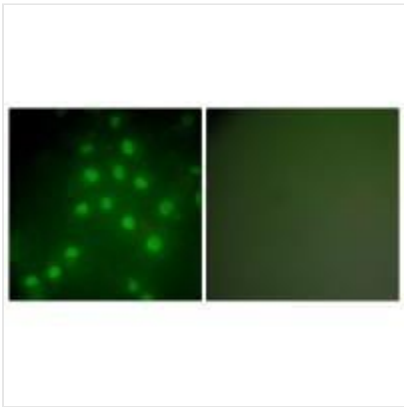
PRODUCT SYNONYMS

HDAC9; Polyclonal Antibody; HDAC9 Antibody; HDAC7B; HDAC9A; MITR; HISTONE DEACETYLASE 7B; KIAA0744 HISTONE DEACETYLASE 9A; anti-HDAC9 antibody

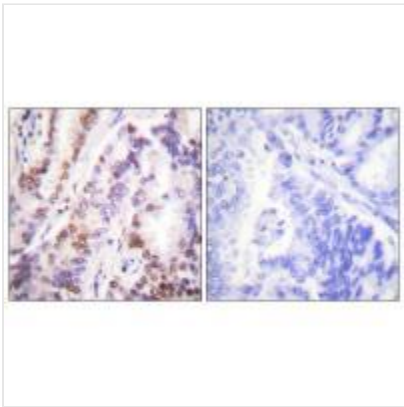
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total HDAC9 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	588
Applicable Applications for anti-HDAC9 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human HDAC9.
Target Name	HDAC9
Preparation and Storage	Store at -20 degree C

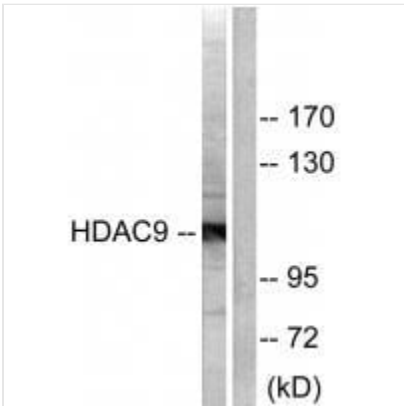
IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of HepG2 cells, using HDAC9 antibody.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using HDAC9 antibody.



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells, using HDAC9 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HDAC9 antibody	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. Isoform 3 lacks active site residues and therefore is catalytically inactive. Represses MEF2-dependent transcription by recruiting HDAC1 and/or HDAC3. Seems to inhibit skeletal myogenesis and to be involved in heart development. Protects neurons from apoptosis, both by inhibiting JUN phosphorylation by MAPK10 and by repressing JUN transcription via HDAC1 recruitment to JUN promoter.Michael Haberland, Mol. Cell. Biol., Jan 2007; 27: 518 - 525.Xianbo Zhou, PNAS, Sep 2001; 98: 10572.Kevin Petrie, J. Biol. Chem., Apr 2003; 278: 16059 - 16072.Kevin Petrie, Blood (ASH Annual Meeting Abstracts), Nov 2004; 104: 1120.
Product Categories/Family for anti-HDAC9 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	323423044
NCBI GeneID	9734
NCBI Accession #	NP_001191073.1
NCBI GenBank Nucleotide #	NM_001204144.1
UniProt Accession #	Q9UKV0; O94845; O95028; Q2M2R6; A7E2F3; B7Z4I4; B7Z917; B7Z928; B7Z940; C9JS87; E7EX34; F8W9E0

Molecular Weight	57,092 Da
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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hdac9-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/304351>