

HDAC9 Rabbit mAb

Catalog No: #49722

Package Size: #49722-1 50ul #49722-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

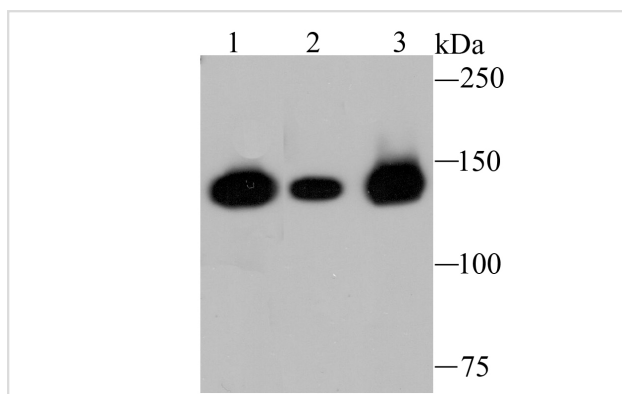
Description

Product Name	HDAC9 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU30-44
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP
Species Reactivity	Hu, Rt
Immunogen Description	Recombinant protein
Other Names	HD 7 antibody HD 7B antibody HD 9 antibody HD7 antibody HD7B antibody HD9 antibody HDAC 7 antibody HDAC 7B antibody HDAC 9 antibody HDAC 9B antibody HDAC 9FL antibody HDAC antibody HDAC7 antibody HDAC7B antibody HDAC9 antibody HDAC9_HUMAN antibody HDAC9B antibody HDAC9FL antibody HDRP antibody Histone deacetylase 4/5 related protein antibody Histone deacetylase 7 antibody Histone deacetylase 7B antibody Histone deacetylase 9 antibody Histone deacetylase 9A antibody Histone deacetylase related protein antibody Histone deacetylase-related protein antibody KIAA0744 antibody MEF2 interacting transcription repressor MITR antibody MEF2 interacting transcription repressor protein antibody MEF2-interacting transcription repressor MITR antibody MITR antibody
Accession No.	Swiss-Prot#:Q9UKV0
Uniprot	Q9UKV0
GeneID	9734;
Calculated MW	140 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

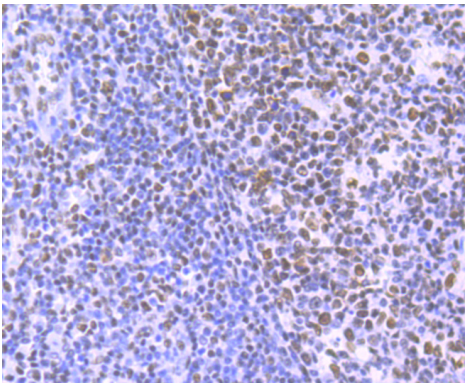
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200 IP: 1:10-1:50

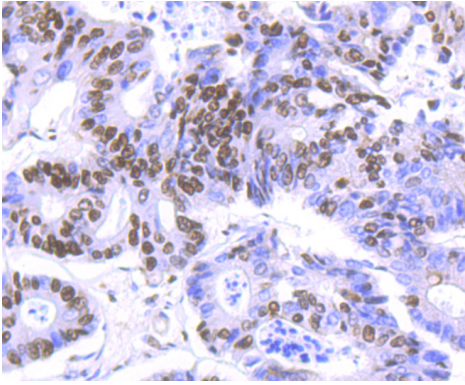
Images



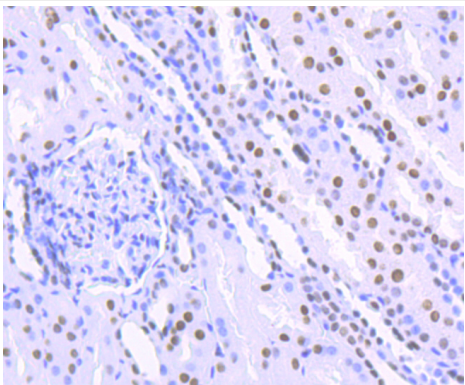
Western blot analysis of HDAC9 on different lysates using anti-HDAC9 antibody at 1/1,000 dilution.
 Positive control:
 Lane 1: K562
 Lane 2: HepG2
 Lane 3: Raji



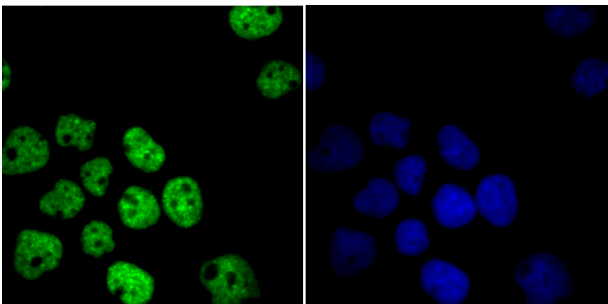
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-HDAC9 antibody. Counter stained with hematoxylin.



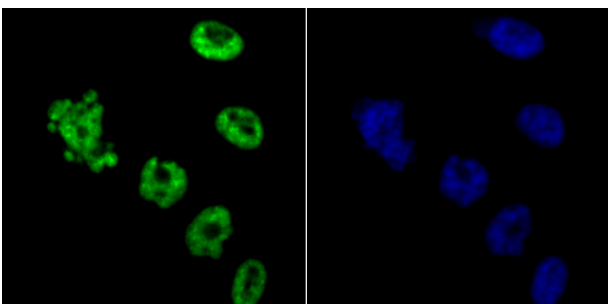
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-HDAC9 antibody. Counter stained with hematoxylin.



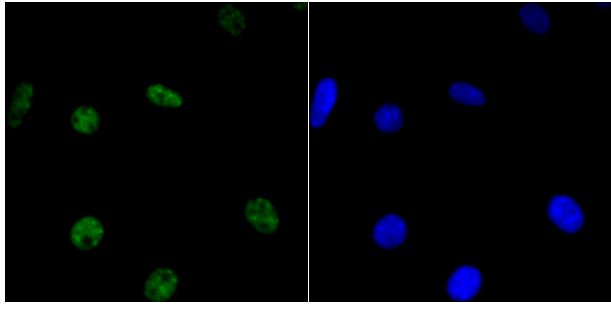
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-HDAC9 antibody. Counter stained with hematoxylin.



ICC staining HDAC9 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining HDAC9 in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining HDAC9 in SH-SY5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

In the intact cell, DNA closely associates with histones and other nuclear proteins to form chromatin. The remodeling of chromatin is a critical component of transcriptional regulation and the acetylation of nucleosomal histones is a major source of this remodeling. Acetylation of lysine residues in the amino terminal tail domain of histone results in an allosteric change in the nucleosomal conformation and an increased accessibility to transcription factors by DNA. Several mammalian proteins function as nuclear histone acetylases, including GCN5, PCAF (p300/CBP-associated factor), p300/CBP, HAT1 and the TFIID subunit TAF II p250. Conversely, the deacetylation of histones is associated with transcriptional silencing. The histone deacetylases (HDAC) include HDAC1-9. HDAC9 and HDAC9a are two alternatively spliced isoforms of HDAC9. HDAC9a is 132 amino acids shorter than HDAC9, but both isoforms contain the HDAC catalytic domain, remain capable of deacetylase activity and repress myocyte enhancer-binding factor 2-mediated transcription.

References

Note: This product is for in vitro research use only