Product Name: Histone deacetylase 9 Rabbit Polyclonal Antibody
Catalog #: APRab12050

Summary

Production Name	Histone deacetylase 9 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	HDAC9
Alternative 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
Gene ID	9734.0
SwissProt ID	Q9UKV0-5,6,7.The antiserum was produced against synthesized peptide derived from human HDAC9. AA range:1017-1066

Application

Dilution Ratio	WB 1:500-1:2000, IHC-P 1:100-1:300, IF-P/IF-F/ICC/IF 1:200-1:1000, ELISA 1:10000.Not

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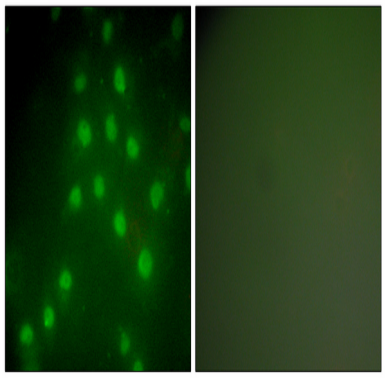
	yet tested in other applications.
Molecular Weight	110kDa

Background

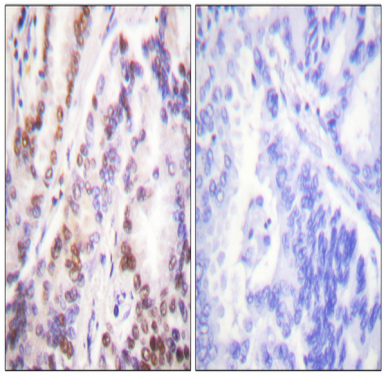
Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. Histone deacetylase 9 encoded by HDAC9 has sequence homology to members of the histone deacetylase family. HDAC9 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.

Research Area

Image Data



Immunofluorescence analysis of HepG2 cells, using HDAC9 Antibody. The picture on the right is blocked with the synthesized peptide.



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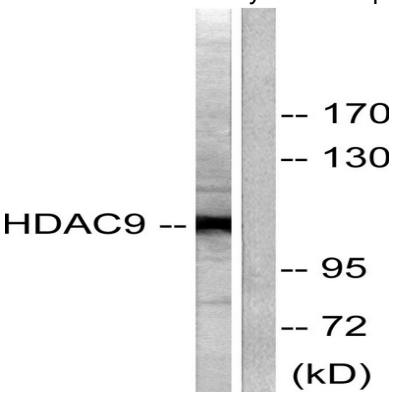
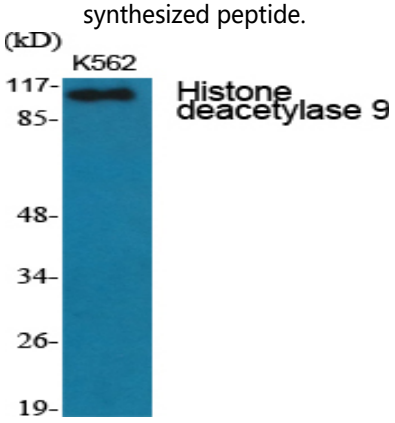
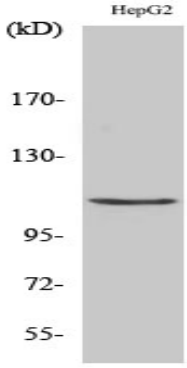
Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using HDAC9 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 cells, using HDAC9 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Histone deacetylase 9 Polyclonal Antibody diluted at 1： 1000



Western Blot analysis of HepG2 cells using Histone deacetylase 9 Polyclonal Antibody diluted at 1： 1000

Note

For research use only.