

Histone deacetylase 9 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP03988
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human HDAC9. AA range:1017-1066
Mol wt	111297
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Histone deacetylase 9 Antibody
Synonyms	Histone deacetylase 9; HD9; Histone deacetylase 7B; HD7; HD7b; Histone deacetylase-related protein; MEF2-interacting transcription repressor MITR; HDAC9; HDAC7; HDAC7B; HDRP; KIAA0744; MITR

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

WB: 1: 500 - 1: 2000

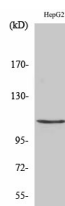
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

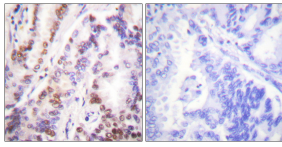
ELISA: 1: 10000

Not yet tested in other applications.

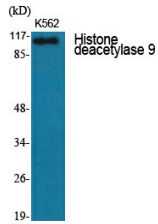
Images



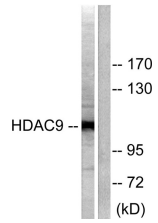
Western Blot analysis of HepG2 cells using Histone deacetylase 9 Polyclonal Antibody diluted at 1:1000



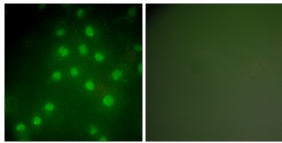
Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using HDAC9 Antibody. The picture on the right is blocked with the synthesized peptide.



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



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



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

Storage

-20°C for one year

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