



Histone deacetylase 9 Polyclonal Antibody

Catalog No	YP-Ab-01784
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	HDAC9
Protein Name	Histone deacetylase 9
Immunogen	The antiserum was produced against synthesized peptide derived from human HDAC9. AA range:1017-1066
Specificity	Histone deacetylase 9 Polyclonal Antibody detects endogenous levels of Histone deacetylase 9 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
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
Observed Band	110kD
Cell Pathway	Nucleus .
Tissue Specificity	Broadly expressed, with highest levels in brain, heart, muscle and testis. Isoform 3 is present in human bladder carcinoma cells (at protein level).
Function	
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.

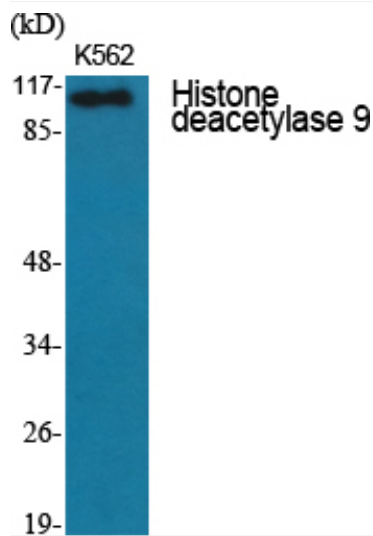
matters needing attention

Avoid repeated freezing and thawing!

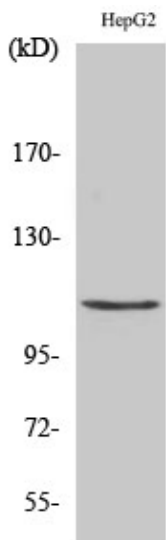
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

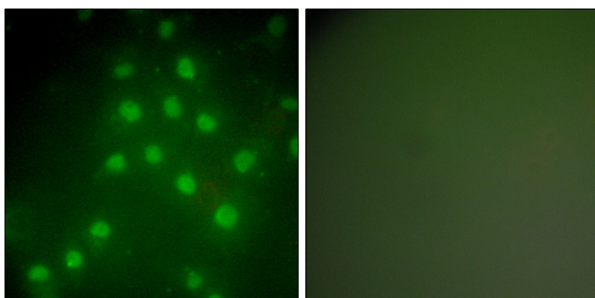
Products Images



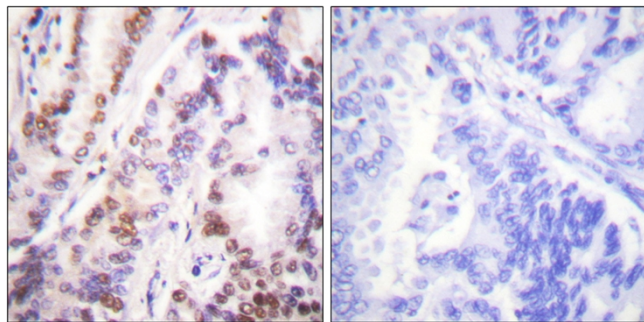
Western Blot analysis of various cells using Histone deacetylase 9 Polyclonal Antibody diluted at 1:1000



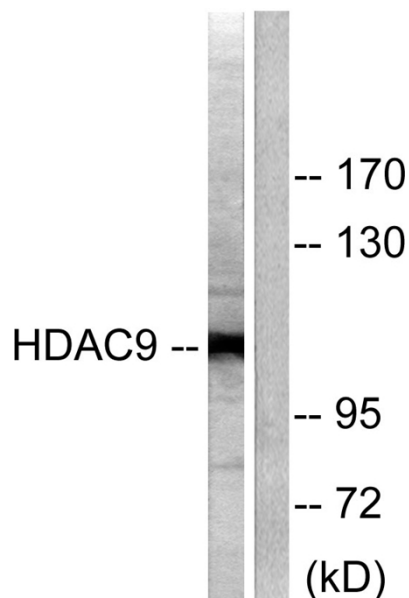
Western Blot analysis of HepG2 cells using Histone deacetylase 9 Polyclonal Antibody diluted at 1:1000



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



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.