

Anti-HDAC9 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

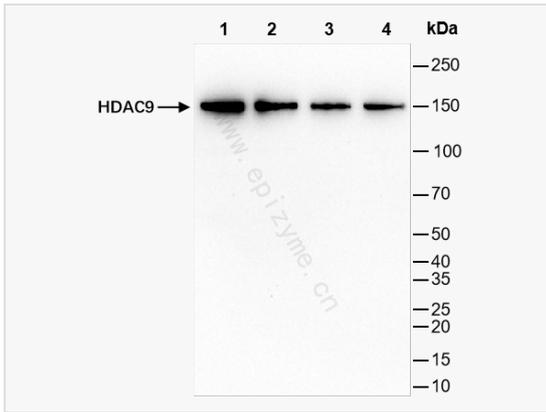
Catalog # R013448

Product Information

Application	ELISA, WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC
Reactivity	Human
Dilution	WB 1:1,000~1:4,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	11L76L09
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human HDAC9
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-HDAC9 Rabbit mAb [11L76L09] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	HD 7, HD 7B, HD 9, HD7, HD7B, HD9, HDAC 7, HDAC 7B, HDAC 9, HDAC 9B, HDAC 9FL, HDAC, HDAC7, HDAC7B, HDAC9, HDAC9_HUMAN, HDAC9B, HDAC9FL, HDRP, Histone deacetylase 4/5 related protein, Histone deacetylase 7, Histone deacetylase 7B, Histone deacetylase 9, Histone deacetylase 9A, Histone deacetylase related protein, Histone deacetylase-related protein, KIAA0744, MEF2 interacting transcription repressor MITR, MEF2 interacting transcription repressor protein, MEF2-interacting transcription repressor MITR, MITR.
Calculated MW	Calculated MW: 111 kDa; Observed MW: 150 kDa
Uniprot ID	Q9UKV0
Gene ID	9734
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. The protein encoded by this gene has sequence homology to members of the histone deacetylase family. This gene 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. [provided by RefSeq, Jul 2008]
Cellular Location	Nucleus.
Tissue Location	Broadly expressed, with highest levels in brain, heart, muscle and testis. Isoform 3 is present in human bladder carcinoma cells



Western Blot - Anti-HDAC9 Rabbit mAb [11L76L09]

All lanes: R013448 at 1:4,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates

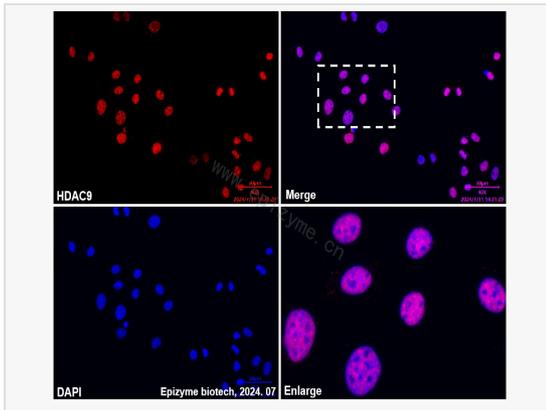
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 111 kDa

Observed band size: 150 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-HDAC9 Rabbit mAb [11L76L09]

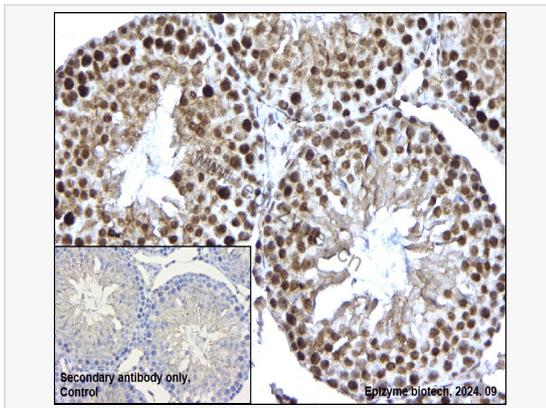
Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R013448 at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-HDAC9 Rabbit mAb [11L76L09]

Sample: Paraformaldehyde-fixed, paraffin embedded rat testis tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013448 at 1:200 dilution

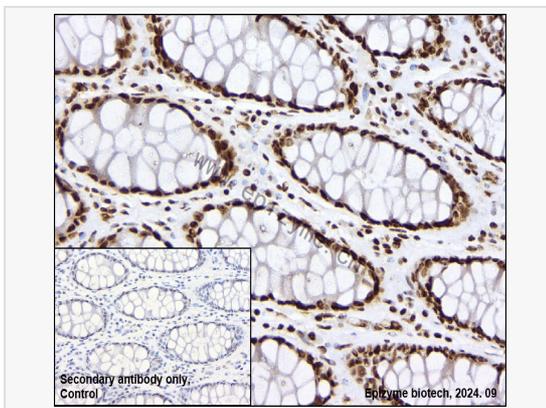
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-HDAC9 Rabbit mAb [11L76L09]

Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013448 at 1:200 dilution

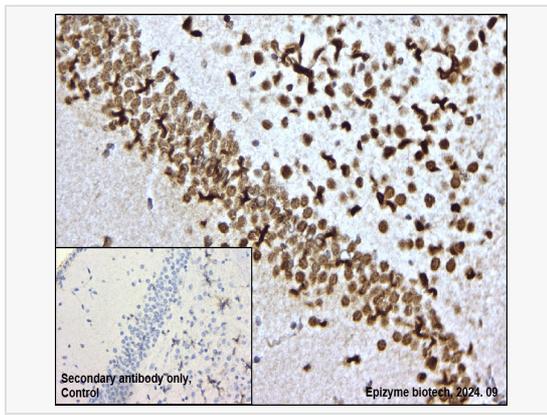
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-HDAC9 Rabbit mAb [11L76L09]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse brain tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013448 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.