

Anti-HDAC1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

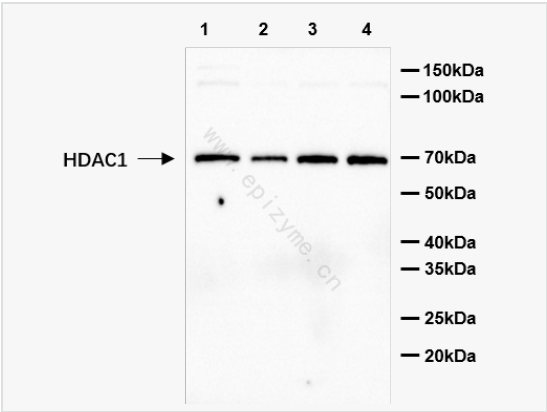
Catalog # R012392

Product Information

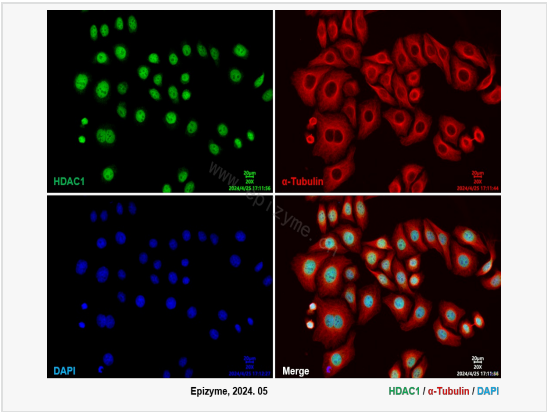
Application	IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA, WB
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:200; IF 1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	80M07L65
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human HDAC1
Format	Affinity purified 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-HDAC1 Rabbit mAb [80M07L65] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

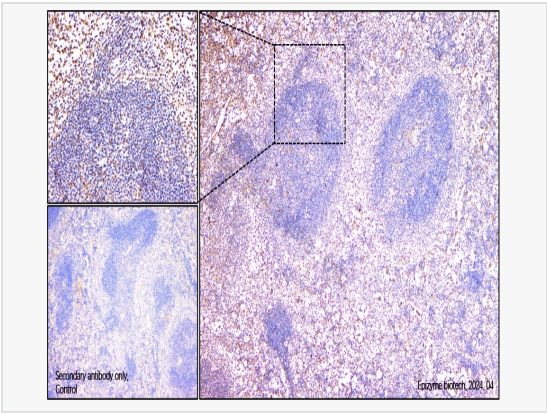
Synonyms	HDAC1, RPD3L1, Histone deacetylase 1, HD1.
Calculated MW	Calculated MW: 55 kDa; Observed MW: 70 kDa
Uniprot ID	Q13547
Gene ID	3065
Background	HDAC1 a transcriptional regulator of the histone deacetylase family, subfamily 1. Deacetylates lysine residues on the N-terminal part of the core histones H2A, H2B, H3 AND H4. Plays an important role in transcriptional regulation, cell cycle progression and developmental events.



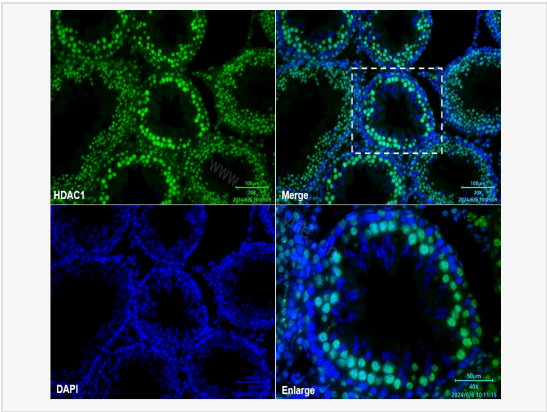
Western Blot - Anti-HDAC1 Rabbit mAb [80M07L65]
All lanes: R012392 at 1:1,000 dilution
Lane 1: MCF7 (human breast adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysates
Lane 3: SW620 (human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: HCT116 (human colorectal carcinoma epithelial cell) whole cell lysates
Lysates/proteins at 10 μ g per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 55 kDa
Observed band size: 70 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-HDAC1 Rabbit mAb [80M07L65]
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: R012392 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (CY3) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-HDAC1 Rabbit mAb [80M07L65]
Sample: Paraformaldehyde-fixed, paraffin embedded human cervical cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R012392 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.



Immunofluorescence - Anti-HDAC1 Rabbit mAb [80M07L65]
Sample: Paraformaldehyde-fixed, paraffin embedded rat testicle tissue
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R012392 at 1:100 dilution
Secondary antibody: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green)
Nuclei were stained with DAPI (shown in blue).