

HDAC1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13296a**Specification**

HDAC1 Antibody (N-term) - Product Information

Application	WB, IF, E
Primary Accession	Q13547 , Q4QOW4
Other Accession	P70288 , Q92769 , P56519 , O09106 , P56517 , Q32PJ8 , Q42227 , Q91695 , NP_004955.2 , Q13547 , Q4QOW4
Reactivity	Human, Rat
Predicted	Xenopus, Bovine, Chicken, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	70-99

HDAC1 Antibody (N-term) - Additional Information**Other Names**

Histone deacetylase 1, HD1, HDAC1, RPD3L1

Target/Specificity

This HDAC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 70-99 amino acids from the N-terminal region of human HDAC1.

Dilution

WB~~1:1000

IF~~1:10~50

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

HDAC1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

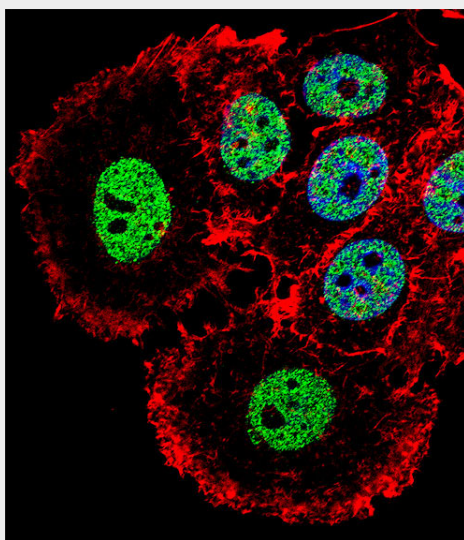
HDAC1 Antibody (N-term) - Protein Information

HDAC1 Antibody (N-term) - Protocols

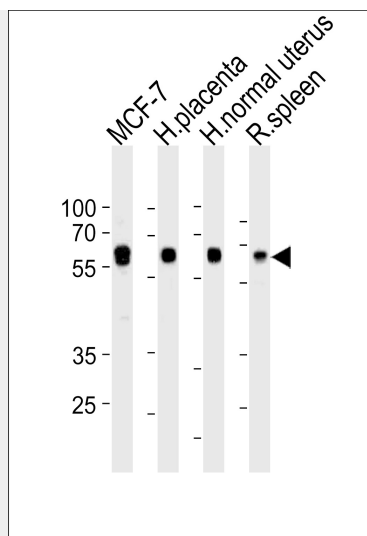
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HDAC1 Antibody (N-term) - Images



Fluorescent confocal image of MCF-7 cell stained with HDAC1 Antibody (N-term) (Cat#AP13296a). MCF-7 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with HDAC1 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37°C). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). HDAC1 immunoreactivity is localized to Nucleus significantly.



HDAC1 Antibody (N-term) (Cat. #AP13296a) western blot analysis in MCF-7 cell line and human placenta and normal uterus, rat spleen lysates (35ug/lane). This demonstrates the HDAC1 antibody detected the HDAC1 protein (arrow).

HDAC1 Antibody (N-term) - Background

Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis.

HDAC1 Antibody (N-term) - References

Yang, Z., et al. Clin. Chem. Lab. Med. 48(12):1785-1791(2010) Grausenburger, R., et al. J. Immunol. 185(6):3489-3497(2010) Miller, K.M., et al. Nat. Struct. Mol. Biol. 17(9):1144-1151(2010) Brandt, S., et al. Int. J. Biochem. Cell Biol. 42(9):1472-1481(2010) Leone, V., et al. Oncogene 29(30):4341-4351(2010)