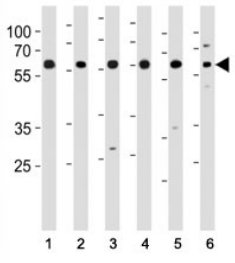
HDAC1 Antibody (F41124)

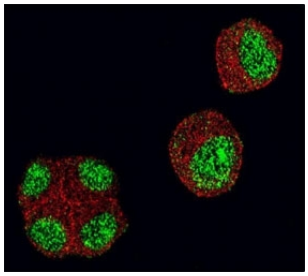
Catalog No.	Formulation	Size
F41124-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F41124-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q13547
Applications	Western blot: 1:1000 Immunofluorescence: 1:10-1:50
Limitations	This HDAC1 antibody is available for research use only.



HDAC1 antibody western blot analysis of (1) HeLa, (2) K562, (3) mouse NIH3T3 cell line and (4) mouse testis, (5) rat testis and (6) rat spleen tissue lysate. Predicted molecular weight 55~60 kDa



Confocal immunofluorescent analysis of HDAC1 antibody with 293 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red).

Description

Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. HDAC1 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.

For additional information on HDAC1 biology and a protein microarray-validated monoclonal reagent, visit our HDAC1 Antibody PCRP-HDAC1-1B7 / Class I HDAC Antibody page.

Application Notes

Titration of the HDAC1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1-30 from the human protein was used as the immunogen for this HDAC1 antibody.

Storage

Aliquot the HDAC1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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