

HDAC4 Antibody (F43191)

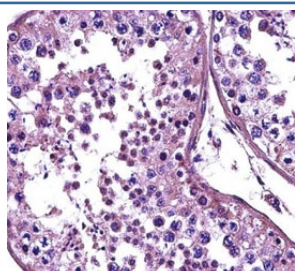
Catalog No.	Formulation	Size
F43191-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F43191-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

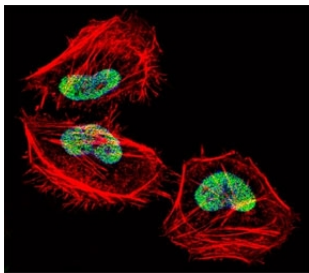
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P56524
Localization	Nucleus
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Immunofluorescence : 1:10-1:50
Limitations	This HDAC4 antibody is available for research use only.

250
130
95
72
55

HDAC4 antibody western blot analysis in NCI-H292 lysate. Expected molecular weight: ~140 kDa (full length), ~95 kDa (truncated).



HDAC4 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue.



Fluorescent confocal image of HeLa cell stained with HDAC4 antibody at 1:25. HDAC4 immunoreactivity is localized to the nucleus.

Description

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 belongs to class II of the histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. This protein does not bind DNA directly, but through transcription factors MEF2C and MEF2D. It seems to interact in a multiprotein complex with RbAp48 and HDAC3.

Application Notes

Titration of the HDAC4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1049-1077 from the human protein was used as the immunogen for this HDAC4 antibody.

Storage

Aliquot the HDAC4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.