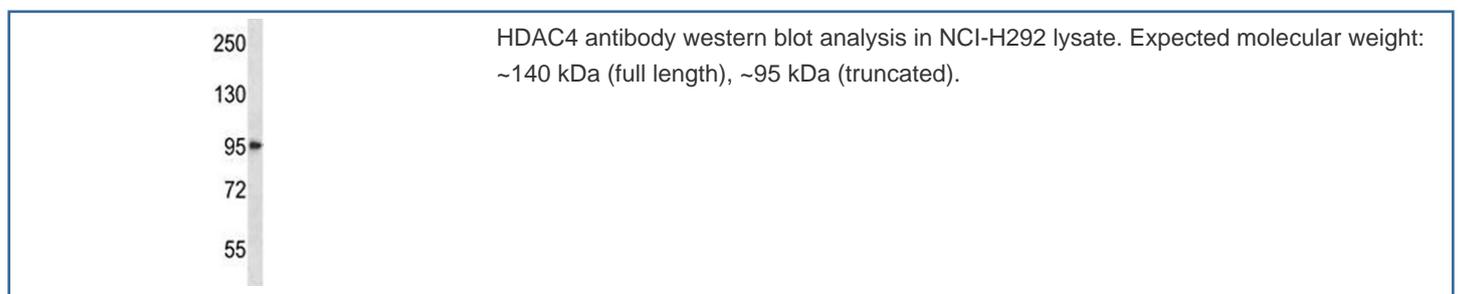


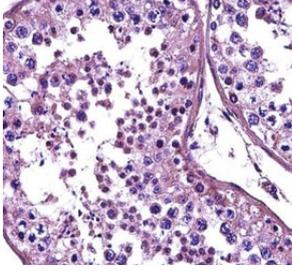
HDAC4 Antibody (F43191)

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

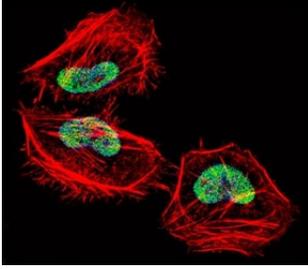
[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
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.





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/alpha 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.