Product Datasheet

HDAC4 Rabbit mAb

Catalog No: #49163

Package Size: #49163-1 50ul #49163-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

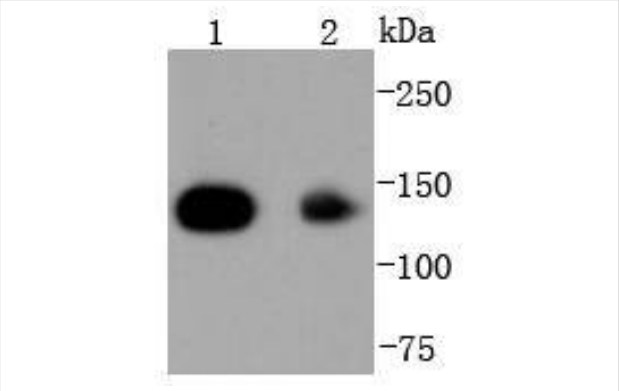
Description

Product Name	HDAC4 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SD08-35
Purification	ProA affinity purified
Applications	WB, ICC/IF
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	AHO3 antibody BDMR antibody EC 3.5.1.98 antibody HA6116 antibody HD 4 antibody HD4 antibody HDAC 4 antibody HDAC A antibody HDAC4 antibody HDAC4_HUMAN antibody HDACA antibody Histone deacetylase 4 antibody Histone Deacetylase A antibody KIAA0288 antibody
Accession No.	Swiss-Prot#:P56524
Uniprot	P56524
GeneID	9759;
Calculated MW	120 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

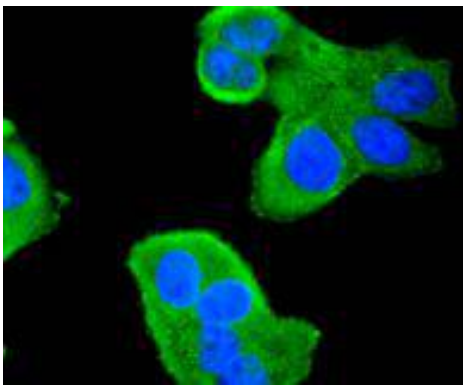
Application Details

WB: 1:1,000-1:2,000 ICC: 1:100-1:500

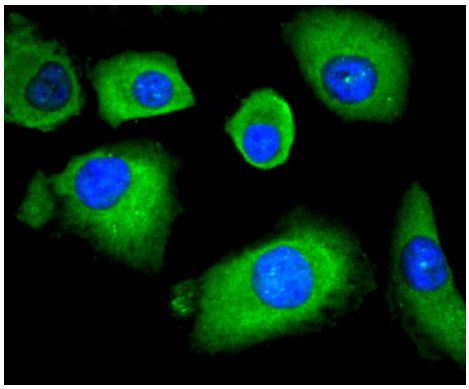
Images



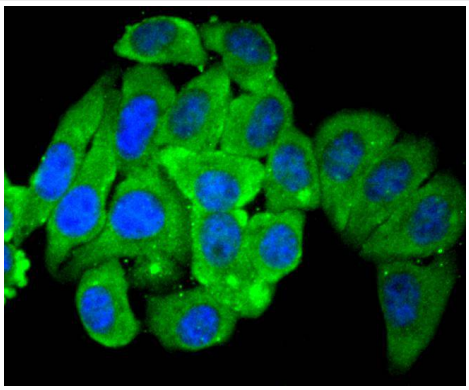
Western blot analysis of HDAC4 on different lysates using anti-HDAC4 antibody at 1/1,000 dilution. Positive control:
Lane 1: Hela Lane 2: HepG2



ICC staining HDAC4 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining HDAC4 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining HDAC4 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

In the intact cell, DNA closely associates with histones and other nuclear proteins to form chromatin. The remodeling of chromatin is believed to be a critical component of transcriptional regulation and a major source of this remodeling is brought about by the acetylation of nucleosomal histones. Acetylation of lysine residues in the amino terminal tail domain of histone results in an allosteric change in the nucleosomal conformation and an increased accessibility to transcription factors by DNA. Conversely, the deacetylation of histones is associated with transcriptional silencing. Several mammalian proteins have been identified as nuclear histone acetylases, including GCN5, p300/CBP, PCAF (p300/CBPassociated factor), HAT1, and the TFIID subunit TAF II p250. Mammalian HDAC1 (also designated HD1), HDAC2 (also designated RPD3) and HDAC3-6, have been identified as histone deacetylases.

References

Note: This product is for in vitro research use only