Product Datasheet

HDAC4(Ab-632) Antibody

Catalog No: #21141

Package Size: #21141-1 50ul #21141-2 100ul

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

Description

Product Name	HDAC4(Ab-632) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total HDAC4 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa. 630~634 (A-Q-S-S-P) derived from Human HDAC4.
Target Name	HDAC4
Other Names	HD4; Histone deacetylase 4;
Accession No.	Swiss-Prot: P56524NCBI Protein: NP_006028.2
Uniprot	P56524
GeneID	9759;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

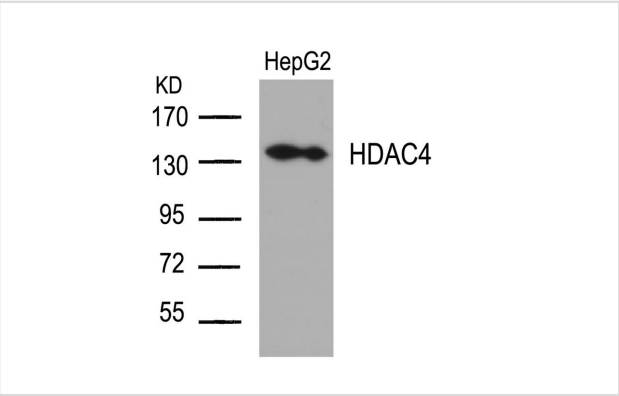
Application Details

Predicted MW: 140kd

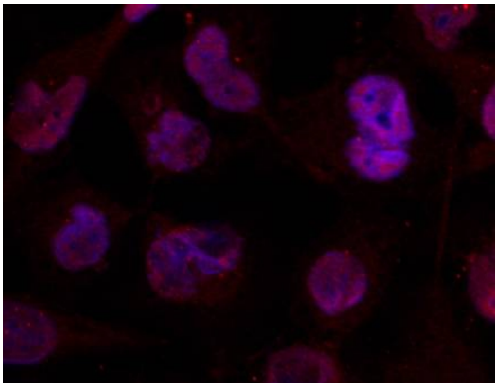
Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

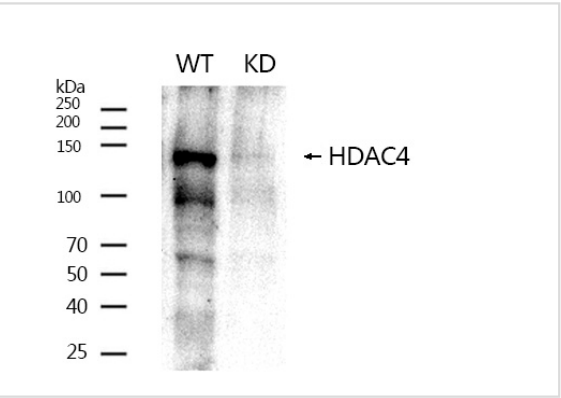
Images



Western blot analysis of extracts from HepG2 cells using HDAC4(Ab-632) Antibody #21141.



Immunofluorescence staining of methanol-fixed Hela cells using HDAC4(Ab-632) Antibody #21141.



Western blotting analysis using HDAC4(Ab-632) Antibody #21141.

Background

Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Involved in muscle maturation via its interaction with the myocyte enhancer factors such as MEF2A, MEF2C and MEF2D.

Wang AH, et al. (2000) Mol Cell Biol. 20(18): 6904-6912.

Grozinger CM, et al. (2000) Proc Natl Acad Sci U S A. 97(14): 7835-7840.

Note: This product is for in vitro research use only