Product Datasheet

HDAC7A (Phospho-Ser155) Antibody

Catalog No: #11823

Package Size: #11823-1 50ul #11823-2 100ul

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

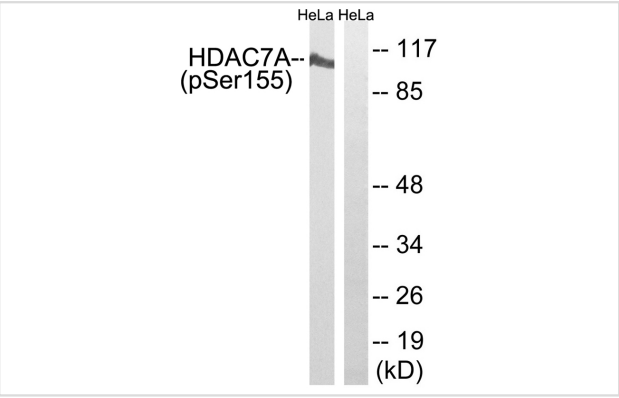
Description

Product Name	HDAC7A (Phospho-Ser155) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of HDAC7A only when phosphorylated at serine 155.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 155(T-V-S(p)-E-P) derived from Human HDAC7A.
Target Name	HDAC7A
Modification	Phospho
Other Names	HD7a; HDA7; HDAC7A;
Accession No.	Swiss-Prot#: Q8WUI4; NCBI Gene#: 51564; NCBI Protein#: NP_056216.2.
Uniprot	Q8WUI4
GeneID	51564;
SDS-PAGE MW	103kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG 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/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HeLa cells using HDAC7A (Phospho-Ser155) Antibody #11823.The lane on the right is treated with the antigen-specific peptide.

Background

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 has sequence homology to members of the histone deacetylase family. This gene is orthologous to mouse HDAC7 gene whose protein promotes repression mediated via the transcriptional corepressor SMRT. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Walsh M.J., Submitted (FEB-2000).
Zelent A., Submitted (MAY-2003).
Sugano S., Nat. Genet. 36:40-45(2004)

Note: This product is for in vitro research use only