antibodies .- online.com







anti-HDAC5 antibody (pSer259)



Images



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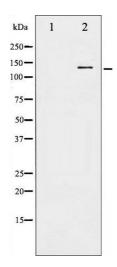
Quantity:	100 μL
Target:	HDAC5
Binding Specificity:	pSer259
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)
Product Details	
Immunogen:	A synthesized peptide derived from human HDAC5 around the phosphorylation site of Ser259.
Isotype:	IgG
Specificity:	Phospho-HDAC5 (Ser259) Antibody detects endogenous levels of HDAC5 only when phosphorylated at Serine 259.
Predicted Reactivity:	Zebrafish,Bovine,Horse,Sheep,Rabbit,Dog,Xenopus
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Target Details	
Target:	HDAC5
Alternative Name:	HDAC5 (HDAC5 Products)

Target Details	
Background:	Description: 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 by repressing transcription of myocyte enhancer
	MEF2C. During muscle differentiation, it shuttles into the cytoplasm, allowing the expression of
	myocyte enhancer factors. Involved in the MTA1-mediated epigenetic regulation of ESR1
	expression in breast cancer.
	Gene: HDAC5
Molecular Weight:	124kDa
Gene ID:	10014
UniProt:	Q9UQL6
Pathways:	Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development, Monocarboxylic
	Acid Catabolic Process
Application Details	
Application Notes:	WB 1:500-1:2000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

Handling

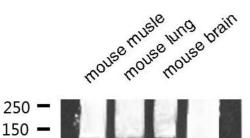
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

100 **-**



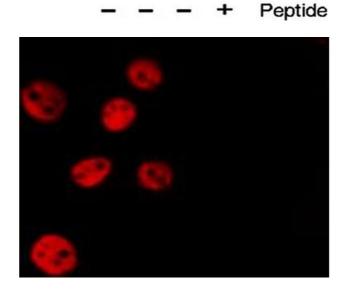
Western Blotting

Image 1. Western blot analysis of HDAC5 phosphorylation expression in HepG2 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



Western Blotting

Image 2. Western blot analysis of extracts of various smaple, using Phospho-HDAC5 (Ser259) Antibody.



Immunofluorescence (fixed cells)

Image 3. ABIN6267699 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.