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Datasheet for ABIN7265130
anti-HDAC5 antibody (pSer498)

2 Images

Overview

Quantity:	200 µL
Target:	HDAC5
Binding Specificity:	pSer498
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A phospho specific peptide corresponding to residues surrounding S498 of human HDAC5
Isotype:	IgG
Characteristics:	Phosphorylated antibody
Purification:	Affinity purification

Target Details

Target:	HDAC5
Alternative Name:	HDAC5 (HDAC5 Products)
Background:	Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and

Target Details

affects transcription factor access to DNA. The protein encoded by this gene belongs to the class II histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. It coimmunoprecipitates only with HDAC3 family member and might form multicomplex proteins. It also interacts with myocyte enhancer factor-2 (MEF2) proteins, resulting in repression of MEF2-dependent genes. This gene is thought to be associated with colon cancer. Two transcript variants encoding different isoforms have been found for this gene.

Molecular Weight: Observed_MW: 140 kDa
Calculated_MW: 112 kDa/121 kDa/122 kDa

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 IHC 1:50-1:100

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

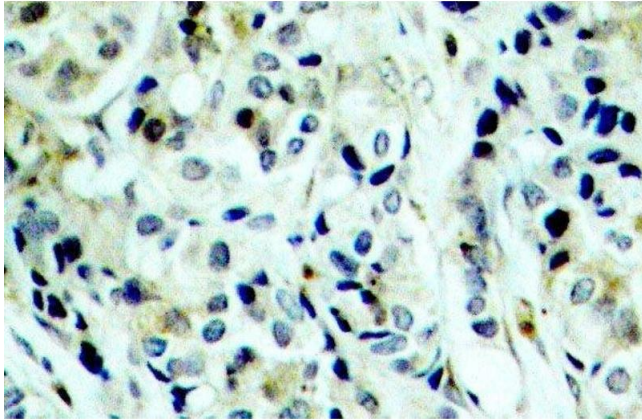
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

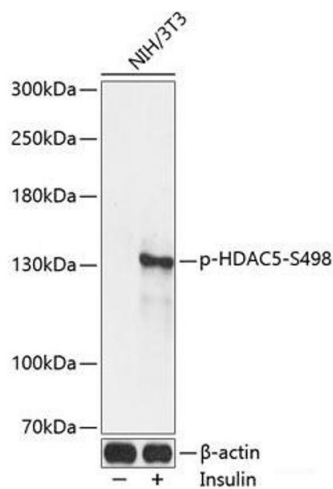
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human breast carcinoma using Phospho-HDAC5(S498) Polyclonal Antibody



Western Blotting

Image 2. Western blot analysis of extracts of NIH/3T3 cells using Phospho-HDAC5(S498) Polyclonal Antibody at dilution of 1:2000. NIH/3T3 cells were treated by Insulin (100nM) for 10 minutes after serum-starvation overnight.