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Datasheet for 600-401-J70

HDAC5 (internal) Antibody

Overview

Description:	Anti-HDAC5 (RABBIT) Antibody - 600-401-J70
Item No.:	600-401-J70
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	HDAC5 is a ubiquitous protein responsible for the deacetylation of lysine residues on the N-terminal part of the core histones. A tag for epigenetic repression, Anti-HDAC5 is an enzyme involved in transcriptional regulation, cell cycle progression and developmental events. HDAC5 is a class II histone deacetylase as defined by its similarities to other members of this class. HDAC5 is a major player in muscle differentiation, acting by repressing transcription of myocyte enhancer MEF2C. During differentiation it moves from the nucleus into the cytoplasm, allowing for myocyte enhancer factor expression. Anti-HDAC5 antibody is ideal for researchers interested in Stem Cell , Cardiovascular , or Epigenetics and Nuclear Signaling research.
Synonyms:	rabbit anti-HDAC-5 antibody, HDAC5, HDAC 5, HD 5 antibody, histone deacetylase 5 antibody, Histone deacetylase-5, HD5 antibody, NY-CO-9
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	HDAC5
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-HDAC5 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the internal region surrounding 200-250aa of human HDAC5 protein.
Purity/Specificity:	Anti-HDAC5 was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with human, mouse, and primate based on 100% sequence homology. Cross-reactivity with HDAC5 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9UQL6

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-HDAC5 antibody has been tested by ELISA, Immunohistochemistry, and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~122kDa corresponding to the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1: 10,000
IHC:	5 µg/mL
WB:	1ug/ml

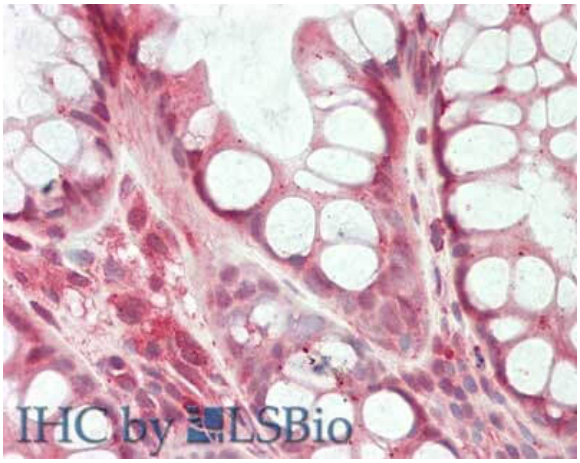
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.1 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer:	30% Glycerol

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry
Immunohistochemistry of Rabbit anti-HDAC5 antibody. Tissue: Colon. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: HDAC5 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: HDAC5 as precipitated red signal with hematoxylin purple nuclear counterstain.

Disclaimer

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