

## Datasheet for 600-401-J70

**HDAC5 (internal) Antibody****Overview**

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

**Product Details**

<b>Background:</b>	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.
<b>Synonyms:</b>	rabbit anti-HDAC-5 antibody, HDAC5, HDAC 5, HD 5 antibody, histone deacetylase 5 antibody, Histone deacetylase-5, HD5 antibody, NY-CO-9
<b>Host Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

**Target Details**

<b>Gene Name:</b>	HDAC5
<b>Reactivity:</b>	Human
<b>Immunogen Type:</b>	Conjugated Peptide

<b>Immunogen:</b>	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.
<b>Purity/Specificity:</b>	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.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q9UQL6</a></li></ul>

## Application Details

<b>Tested Applications:</b>	ELISA, IHC, WB
<b>Application Note:</b>	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.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1: 10,000
<b>IHC:</b>	5 µg/mL
<b>WB:</b>	1ug/ml

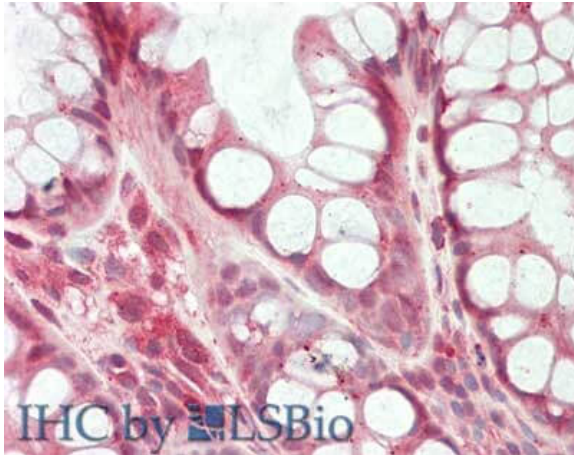
## Formulation

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

## Shipping & Handling

<b>Shipping Condition:</b>	Dry Ice
<b>Storage Condition:</b>	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.
<b>Expiration:</b>	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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