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Datasheet for 600-401-J77

HDAC10 (internal) Antibody

Overview

Description:	Anti-HDAC10 (RABBIT) Antibody - 600-401-J77
Item No.:	600-401-J77
Size:	100 µg
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	HDAC10 is located in the nucleus and cytoplasm, expressed most highly in the liver, spleen, pancreas and kidney. It is responsible for the deacetylation of lysine residues on the N-terminal region of the core histones (H2A, H2B, H3 and H4). The result of deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Anti-HDAC10 therefore is ideal for investigators interested in Stem Cells or Epigenetics and Nuclear Signaling research.
Synonyms:	rabbit anti-HDAC-10 antibody, HDAC10, HDAC 10, HD 10 antibody, histone deacetylase 10 antibody, Histone deacetylase-10, HD10 antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	HDAC10
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-HDAC10 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the internal region surrounding 500-550aa of human HDAC10 protein.

Purity/Specificity:	Anti-HDAC10 was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with human based on 100% sequence homology. Cross-reactivity with HDAC10 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q969S8

Application Details

Application Note:	Anti-HDAC10 antibody is useful for ELISA, Immunohistochemistry, and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~71kDa 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
WB:	1ug/ml

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.09 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.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.