

Datasheet for 600-401-J71**HDAC8 (C-terminus) Antibody****Overview**

Description:	Anti-HDAC8 (RABBIT) Antibody - 600-401-J71
Item No.:	600-401-J71
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	HDAC8 is located in the nucleus and cytoplasm, expressed weakly in most tissues with higher expression in the heart, brain, kidney, pancreas, liver, lung, placenta, prostate, 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-HDAC8 therefore is ideal for investigators interested in Stem Cells , Cardiovascular , or Epigenetics and Nuclear Signaling research.
Synonyms:	rabbit anti-HDAC-8 antibody, HDAC8, HDAC 8, HD-8, HD 8, Histone deacetylase 8, Histone deacetylase-8, HD8, HDACL1, CDA07
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	HDAC8
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-HDAC8 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide near the C-terminus of human HDAC8 protein.

Purity/Specificity: Anti-HDAC8 was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with rat, mouse, human, and bovine based on 100% sequence homology. Cross-reactivity with HDAC8 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q9BY41](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-HDAC8 antibody has been tested by ELISA and western blot and is useful in Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~41kDa 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: 1.0 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

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