

Datasheet for 600-401-J42**HDAC4 (internal) Antibody****Overview**

Description:	Anti-HDAC4 (RABBIT) Antibody - 600-401-J42
Item No.:	600-401-J42
Size:	50 µg
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	HDAC4 antibody belongs to class II of the histone deacetylase/acuc/apha family. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. HDAC4 represses transcription when tethered to a promoter. This protein does not bind DNA directly, but through transcription factors MEF2C and MEF2D. Anti-HDAC4 is ideal for investigators interested in Stem Cell , Cardiovascular , and Epigenetics and Nuclear Signaling research.
Synonyms:	rabbit anti-HDAC-4 antibody, HDAC4, HDAC 4, HD 4 antibody, histone deacetylase 4 antibody, Histone deacetylase-4, HD4 antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	HDAC4
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	HDAC4 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the internal region surrounding 150-200aa of mouse HDAC4.

Purity/Specificity:	Anti-HDAC4 was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with mouse based on 100% sequence homology. Cross-reactivity with HDAC4 from other sources has not been determined.
Relevant Links:	• UniProtKB - P56524 • GeneID - 9759 • NCBI - NP_006028.2

Application Details

Application Note:	Anti-HDAC4 antibody is useful for ELISA, immunohistochemistry, and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~140kDa 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:	0.26 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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