HDAC1 Antibody

Rabbit Polyclonal
Antigen Affinity Purified
Catalog No. A300-713A
Lot No. A300-713A-1

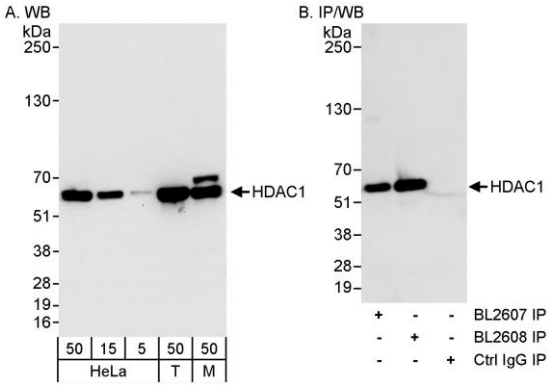
Protein ID NP_004955.2
GeneID 3065

APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Bovine and Orangutan
AMOUNT	100 µl
CONCENTRATION	200 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to HDAC1 immobilized on solid support. The epitope recognized by A300-713A maps to region between residue 425 and the C-terminus (residue 482) of human Histone Deacetylase 1 using the numbering given in entry NP_004955.2 (GeneID 3065). Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.
APPLICATIONS	Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

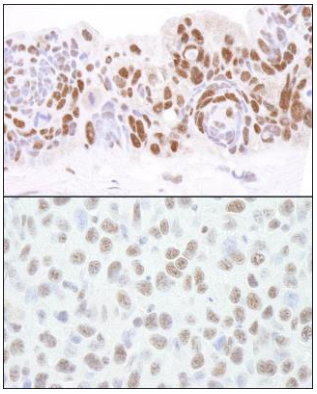
Western Blot	1:2,000 - 1:10,000
Immunoprecipitation	2 - 5 µg/mg lysate
Immunohistochemistry	1:200 - 1:1,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

APPLICATION NOTES	Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-20% SDS-PAGE (link to IP-western blot protocol in Additional Info section below). Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.
IHC HUMAN CONTROLS	Breast Carcinoma, Colon Carcinoma, Skin Squamous Cell Carcinoma, Testicular Seminoma
IHC MOUSE CONTROLS	Squamous Cell Carcinoma
ADDITIONAL INFO	https://www.bethyl.com/product/A300-713A Use the link above to view SDS, a current list of citations, and other product specific information. IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer
Date: June 21, 2019



Detection of human and mouse HDAC1 by western blot (h&m) and immunoprecipitation (h). *Samples:* Whole cell lysate from HeLa (5, 15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 µg), and mouse NIH 3T3 (M; 50 µg) cells. *Antibodies:* Affinity purified rabbit anti-HDAC1 antibody BL2608 (Cat. No. A300-713A) used for WB at 0.04 µg/ml (A) and 1 µg/ml (B) and used for IP at 3 µg/mg lysate (B). HDAC1 was also immunoprecipitated using rabbit anti-HDAC1 antibody BL2607 (Cat. No. A300-712A) at 3 µg/mg lysate. *Detection:* Chemiluminescence with exposure times of 30 seconds (A) and 10 seconds (B).



Detection of human and mouse HDAC1 by immunohistochemistry. *Sample:* FFPE section of human ovarian carcinoma (top) and mouse squamous cell carcinoma (bottom). *Antibody:* Affinity purified rabbit anti-HDAC1 (Cat. No. A300-713A Lot1) used at a dilution of 1:200 (1µg/ml) and 1:1,000 (0.2µg/ml). *Detection:* DAB