BHC110/LSD1 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Catalog No. A300-215A

Lot No. A300-215A-2

Protein ID O60341

GeneID 23028

APPLICATIONS	WB, IP, IHC, ChIP-Seq
SPECIES REACTIVITY	Human
AMOUNT	100 µl
CONCENTRATION	1000 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to BHC110/LSD1 immobilized on solid support. The epitope recognized by A300-215A maps to a region between residues 50 and 100 of human FAD-binding protein BRAF35-HDAC complex 110 kDa (lysine-specific histone demethylase 1) using the numbering given in TrEMBL entry O60341 (GeneID 23028). 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.

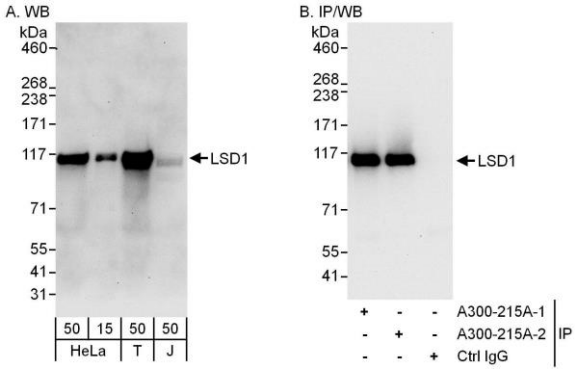
Western Blot	1:5,000 - 1:15,000
Immunoprecipitation	2 - 5 µg/mg lysate
Immunohistochemistry	1:500 - 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
ChIP-Seq	10 µg as per Ram O et al., Cell. 2011 Dec 23;147(7):1628-39. Previous lots of this antibody have performed in this application.

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 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below). Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.
IHC HUMAN CONTROLS	Breast Carcinoma, Non-Small Cell Lung Cancer, Ovarian Carcinoma, Skin Basal Cell Carcinoma, Testicular Seminoma
ADDITIONAL INFO	https://www.bethyl.com/product/A300-215A 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

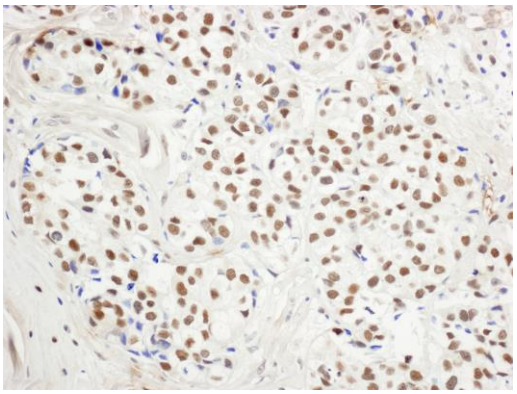
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019



Detection of human LSD1 by western blot and immunoprecipitation. *Samples:* Whole cell lysate from HeLa (15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 µg) and Jurkat (J; 50 µg) cells. *Antibodies:* Affinity purified rabbit anti-LSD1 antibody A300-215A (lot A300-215A-2) used for WB at 0.1 µg/ml (A) and 1 µg/ml (B) and used for IP at 3 µg/mg lysate. LSD1 was also immunoprecipitated by a previous lot (lot A300-215A-1) of this antibody. *Detection:* Chemiluminescence with exposure times of 30 seconds (A) and 10 seconds (B).



Detection of human BHC110/LSD1 by immunohistochemistry. *Sample:* FFPE section of human breast carcinoma. *Antibody:* Affinity purified rabbit anti-BHC110/LSD1 (Cat. No. A300-215A Lot2) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB