CAND1 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Catalog No. A302-901A

Lot No. A302-901A-1

Protein ID NP_060918.2

GeneID 55832

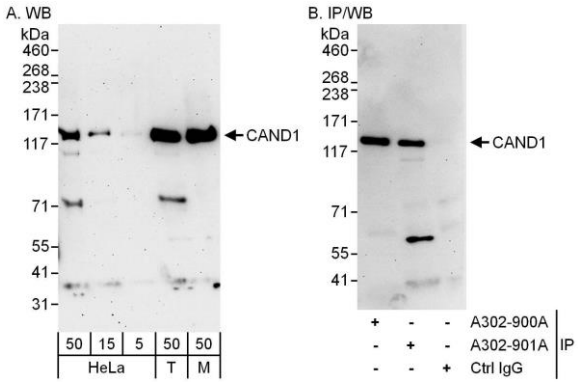
APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Rat, Bovine and Orangutan
AMOUNT	100 µl
CONCENTRATION	1000 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	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 CAND1 immobilized on solid support. The epitope recognized by A302-901A maps to a region between residue 1180 and 1230 of human Cullin-Associated and Neddylation-Dissociated 1 using the numbering given in entry NP_060918.2 (GeneID 55832). Antibody 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	1:1,000 - 1:5,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

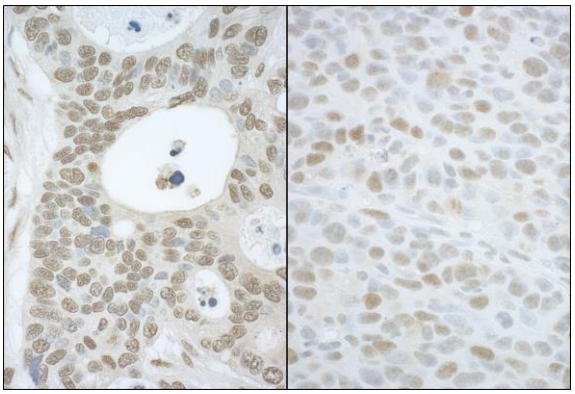
APPLICATION NOTES	Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below). Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.
IHC HUMAN CONTROLS	Breast Carcinoma, Non-Small Cell Lung Cancer, Ovarian Carcinoma, Testicular Seminoma
IHC MOUSE CONTROLS	Hybridoma Tumor
ADDITIONAL INFO	https://www.bethyl.com/product/A302-901A 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 CAND1 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-CAND1 antibody A302-901A used for WB at 0.1 µg/ml (A) and 1 µg/ml (B) and used for IP at 3 µg/mg lysate. CAND1 was also immunoprecipitated by rabbit anti-CAND1 antibody A302-900A, which recognizes an upstream epitope. *Detection:* Chemiluminescence with exposure times of 3 minutes (A) and 30 seconds (B).



Detection of human and mouse CAND1 by immunohistochemistry. *Sample:* FFPE section of human ovarian carcinoma (left) and mouse hybridoma tumor (right). *Antibody:* Affinity purified rabbit anti-CAND1 (Cat. No. A302-901A Lot1) used at a dilution of 1:5,000 (0.2 µg/ml) and 1:1,000 (1µg/ml). *Detection:* DAB