JARID1C Antibody

Rabbit Polyclonal
Antigen Affinity Purified
Catalog No. A301-034A
Lot No. A301-034A-3

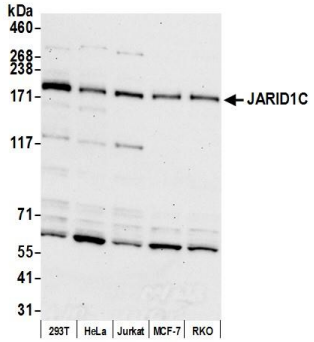
Protein ID NP_004178.2
GeneID 8242

APPLICATIONS	WB, IP, ChIP-Seq
SPECIES REACTIVITY	Human
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Dog and Pig
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 JARID1C immobilized on solid support. The epitope recognized by A301-034A maps to a region between residue 275 and 325 of human Jumonji, AT rich interactive domain 1C using the numbering given in entry NP_004178.2 (GeneID 8242). 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.

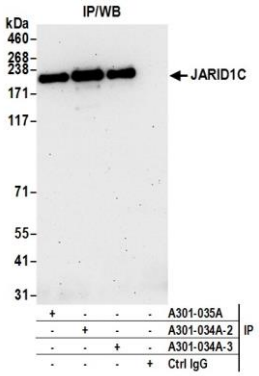
Western Blot	1:2,000 - 1:10,000
Immunoprecipitation	2 - 10 µg/mg lysate
ChIP-Seq	1 µg

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.
ADDITIONAL INFO	https://www.bethyl.com/product/A301-034A 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

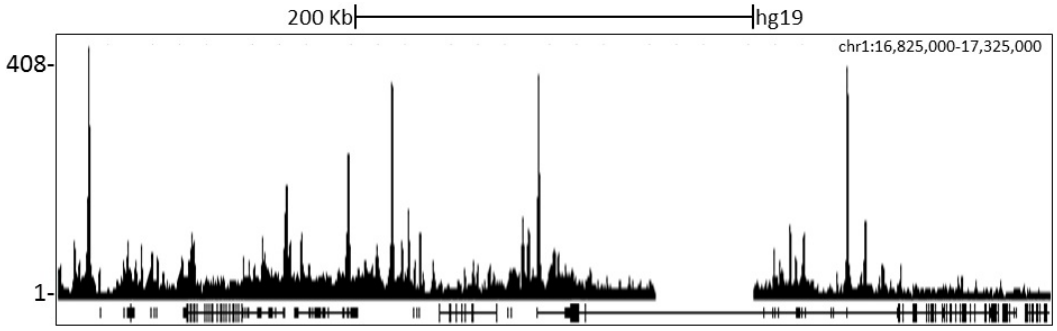
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: September 4, 2019



Detection of human JARID1C by western blot. *Samples:* Whole cell lysate (50 µg) from HEK293T, HeLa, Jurkat, MCF-7, and RKO cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-JARID1C antibody A301-034A (lot A301-034A-3) used for WB at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of human JARID1C by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-JARID1C antibody A301-034A (lot A301-034A-3) used for IP at 6 µg per reaction. JARID1C was also immunoprecipitated by a previous lot of this antibody (lot A301-034A-2) and rabbit anti-JARID1C antibody A301-035A. For blotting immunoprecipitated JARID1C, A301-034A was used at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 75 seconds.



Localization of Jarid1C Binding Sites by ChIP-sequencing. Chromatin from K562 cells was immunoprecipitated with anti-Jarid1C antibody A301-034A and analyzed by DNA sequencing. The figure illustrates the peak distribution of Jarid1C binding within a 500 Kb region of chromosome 1 as detected using anti-Jarid1C antibody A301-034A. ChIP-seq validation performed by Diogenode, Denville, NJ.