

p300 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_001420.2

Catalog No. A300-358A

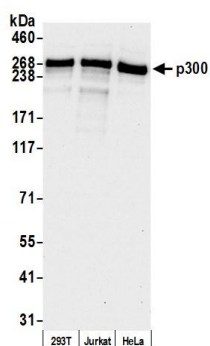
GeneID 2033

Lot No. A300-358A-5

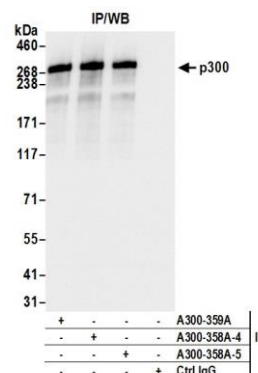


APPLICATIONS	WB, IP, IHC, ChIP-Seq								
SPECIES REACTIVITY	Human								
AMOUNT	100 µl								
CONCENTRATION	1000 µg/ml								
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt								
PHYSICAL STATE	Liquid								
BUFFER	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide								
ISOTYPE	IgG								
ORIGIN	USA								
PRODUCTION PROCEDURES	<p>Antibody was affinity purified using an epitope specific to p300 immobilized on solid support.</p> <p>The epitope recognized by A300-358A maps to a region between residues 950 and 1000 of human E1A-associated protein p300 using the numbering given in entry NP_001420.2 (GeneID 2033).</p> <p>Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.</p>								
APPLICATIONS	<p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <table><tr><td>Western Blot</td><td>1:10,000 - 1:25,000</td></tr><tr><td>Immunoprecipitation</td><td>2 - 10 µg/mg lysate</td></tr><tr><td>Immunohistochemistry</td><td>1:1,000 - 1:5,000. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.</td></tr><tr><td>ChIP-Seq</td><td>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.</td></tr></table>	Western Blot	1:10,000 - 1:25,000	Immunoprecipitation	2 - 10 µg/mg lysate	Immunohistochemistry	1:1,000 - 1:5,000. Epitope retrieval with citrate buffer pH6.0 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.
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APPLICATION NOTES	<p>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).</p> <p>Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.</p>								
IHC HUMAN CONTROLS	Breast Carcinoma, Colon Carcinoma, Ovarian Carcinoma, Prostate Carcinoma, Small Cell Lung Cancer, Stomach Adenocarcinoma, Testicular Seminoma								
ADDITIONAL INFO	<p>https://www.bethyl.com/product/A300-358A</p> <p>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</p>								

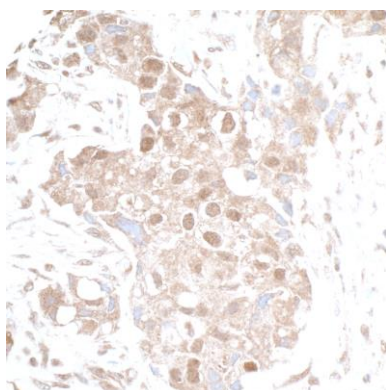
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: October 1, 2019



Detection of human p300 by western blot. *Samples:* Whole cell lysate (15 μ g) from HEK293T, Jurkat, and HeLa cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-p300 antibody A300-358A (lot A300-358A-5) used for WB at 0.04 μ g/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



Detection of human p300 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-p300 antibody A300-358A (lot A300-358A-5) used for IP at 6 μ g per reaction. p300 was also immunoprecipitated by a previous lot of this antibody (lot A300-358A-4) and rabbit anti-p300 antibody A300-359A. For blotting immunoprecipitated p300, A300-358A was used at 0.04 μ g/ml. *Detection:* Chemiluminescence with an exposure time of 3 seconds.



Detection of human p300 by immunohistochemistry. *Sample:* FFPE section of human lung carcinoma. *Antibody:* Affinity purified rabbit anti-p300 (Cat. No. A300-358A lot 5) used at 1:1,000 (1 μ g/ml). *Detection:* DAB.