

PPP4C Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_002711.1

Catalog No. A300-835A

GeneID 5531

Lot No. A300-835A-3



APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Rat, Bovine, Rabbit 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 PPP4C immobilized on solid support.

The epitope recognized by A300-835A maps to a region between residue 1 and 50 of human Protein Phosphatase 4, Catalytic Subunit using the numbering given in entry NP_002711.1 (GeneID 5531).

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

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.

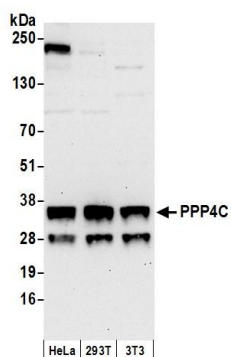
IHC HUMAN CONTROLS Breast Carcinoma, Colon Carcinoma, Laryngeal Squamous Cell Carcinoma, Metastatic Lymph Node, Non-Small Cell Lung Cancer, Ovarian Carcinoma, Pancreatic Islet Cell Tumor, Prostate Carcinoma, Testicular Seminoma

IHC MOUSE CONTROLS Renal Cell Carcinoma, Squamous Cell Carcinoma

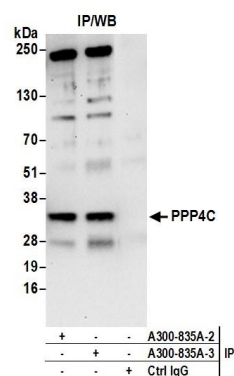
ADDITIONAL INFO <https://www.bethyl.com/product/A300-835A>

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

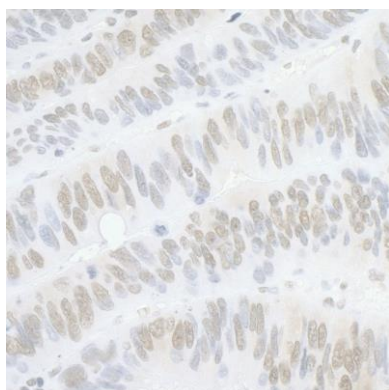
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



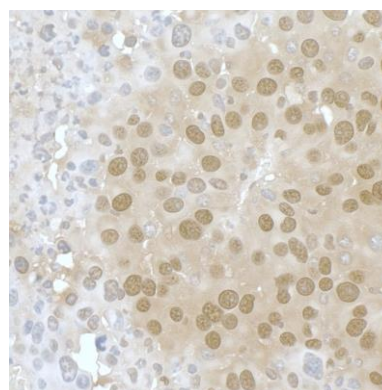
Detection of human and mouse PPP4C by western blot.
Samples: Whole cell lysate (50 µg) from HeLa, HEK293T, and mouse NIH 3T3 cells prepared using NETN lysis buffer.
Antibody: Affinity purified rabbit anti-PPP4C antibody A300-835A (lot A300-835A-3) used for WB at 0.1 µg/ml.
Detection: Chemiluminescence with an exposure time of 30 seconds.



Detection of human PPP4C by western blot of immunoprecipitates. *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-PPP4C antibody A300-835A (lot A300-835A-3) used for IP at 6 µg per reaction. PPP4C was also immunoprecipitated by a previous lot of this antibody A300-835A-2. For blotting immunoprecipitated PPP4C, A300-835A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of human PPP4C by immunohistochemistry.
Sample: FFPE sections of human colon carcinoma.
Antibody: Affinity purified rabbit anti- PPP4C (Cat. No. A300-835A Lot3) used at a dilution of 1:1,000 (0.2 µg/ml).
Detection: DAB



Detection of mouse PPP4C by immunohistochemistry.
Sample: FFPE sections of mouse renal cell carcinoma.
Antibody: Affinity purified rabbit anti- PPP4C (Cat. No. A300-835A Lot3) used at a dilution of 1:200 (1 µg/ml).
Detection: DAB