

# PREP/Prolyl Oligopeptidase Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID P48147.2

Catalog No. A305-348A GeneID 5550

Lot No. A305-348A-1



<b>APPLICATIONS</b>	IP
<b>SPECIES REACTIVITY</b>	Human
<b>PRESUMED REACTIVITY</b>	Based on 100% sequence identity, this antibody is predicted to react with Mouse, Rat, Bovine and Pig
<b>AMOUNT</b>	100 $\mu$ l
<b>CONCENTRATION</b>	1000 $\mu$ g/ml
<b>STORAGE/SHELF LIFE</b>	2 - 8° C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
<b>ISOTYPE</b>	IgG
<b>ORIGIN</b>	USA

**PRODUCTION PROCEDURES** Antibody was affinity purified using an epitope specific to PREP/Prolyl Oligopeptidase immobilized on solid support.

The epitope recognized by A305-348A maps to a region between residue 25 to 75 of human Prolyl endopeptidase using the numbering given in entry P48147.2 (GeneID 5550).

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.

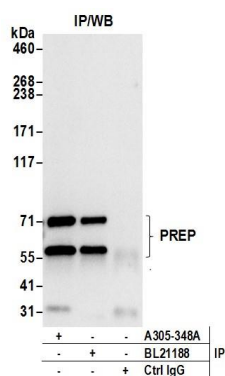
Western Blot Not recommended. A305-348A has not performed satisfactorily when used for WB of PREP/Prolyl Oligopeptidase in crude preparations (e.g. whole cell lysate). This antibody can be used for WB of enriched (e.g. immunoprecipitated) sources of PREP/Prolyl Olig.

Immunoprecipitation 2 - 10  $\mu$ g/mg lysate

**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).

**ADDITIONAL INFO** <https://www.bethyl.com/product/A305-348A>  
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](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 PREP by western blot of immunoprecipitates.** *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-PREP antibody A305-348A (lot A305-348A-1) used for IP at 6 µg per reaction. PREP was also immunoprecipitated by rabbit anti-PREP antibody BL21188. For blotting immunoprecipitated PREP, A305-348A was used at 0.4 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 seconds.