

MPI Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID P34949.2

Catalog No. A305-494A

GeneID 4351

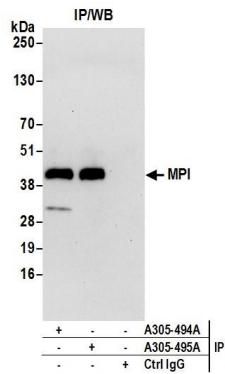
Lot No. A305-494A-1



APPLICATIONS	IP				
SPECIES REACTIVITY	Human				
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Chimpanzee				
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 MPI immobilized on solid support. The epitope recognized by A305-494A maps to a region between residue 25 to 75 of human Mannose-6-phosphate isomerase using the numbering given in entry P34949.2 (GeneID 4351). 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. <table><tr><td>Western Blot</td><td>Not recommended. A305-494A has not performed satisfactorily when used for WB of MPI in crude preparations (e.g. whole cell lysate). This antibody can be used for WB of enriched (e.g. immunoprecipitated) sources of MPI.</td></tr><tr><td>Immunoprecipitation</td><td>2 – 10 µg/mg lysate</td></tr></table>	Western Blot	Not recommended. A305-494A has not performed satisfactorily when used for WB of MPI in crude preparations (e.g. whole cell lysate). This antibody can be used for WB of enriched (e.g. immunoprecipitated) sources of MPI.	Immunoprecipitation	2 – 10 µg/mg lysate
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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 4-12% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).				
ADDITIONAL INFO	https://www.bethyl.com/product/A305-494A 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 MPI 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-MPI antibody A305-494A (lot A305-494A-1) used for IP at 6 µg per reaction. MPI was also immunoprecipitated by rabbit anti-MPI antibody A305-495A. For blotting immunoprecipitated MPI, A305-494A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.