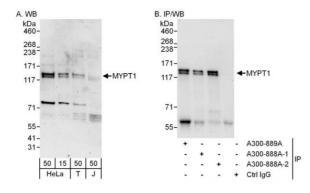
MYPT1 Antibody **Rabbit Polyclonal** Antigen Affinity Purified Protein ID NP 002471.1 4659 Catalog No. A300-888A GenelD Lot No. A300-888A-2 BOBA APPLICATIONS WB. IP SPECIES REACTIVITY Human AMOUNT 100 ul CONCENTRATION $1000 \,\mu g/ml$ STORAGE/SHELF LIFE 2 – 8° C / 1 year from date of receipt PHYSICAL STATE Liauid BUFFER Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide ISOTYPE IgG ORIGIN USA PRODUCTION Antibody was affinity purified using an epitope specific to MYPT1 immobilized on solid support. PROCEDURES The epitope recognized by A300-888A maps to a region between residue 400 and 450 of human Myosin Phosphatase Target Subunit 1 (Protein Phosphatase 1, Regulatory Subunit 12A) using the numbering given in entry NP 002471.1 (GeneID 4659). 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 1:1,000 - 1:5,000 Immunoprecipitation $2 - 5 \mu q/mq$ 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). Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.

ADDITIONAL INFO https://www.bethyl.com/product/A300-888A 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

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Detection of human MYPT1 by western blot and immunoprecipitation. *Samples:* Whole cell lysate from HeLa (15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 µg) and Jurkat (J; 50 µg) cells. *Antibodies:* Affinity purified rabbit anti-MYPT1 antibody A300-888A (lot A300-888A-2) used for WB at 0.4 µg/ml (A) and 1 µg/ml (B) and used for IP at 6 µg/mg lysate (B). MYPT1 was also immunoprecipitated by a previous lot (lot A300-888A-1) of this antibody and by rabbit anti-MYPT1 antibody A300-889A, which recognizes a downstream epitope. *Detection:* Chemiluminescence with exposure times of 3 minutes (A) and 30 seconds (B).

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