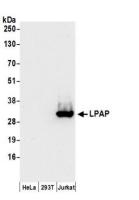
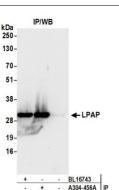
LPAP Antibody **Rabbit Polyclonal** Antigen Affinity Purified Protein ID NP 005599.1 Catalog No. A304-456A GenelD 5790 Lot No. A304-456A-1 ORA APPLICATIONS WB. IP SPECIES REACTIVITY Human AMOUNT 100 ul CONCENTRATION $1000 \,\mu g/ml$ STORAGE/SHELF LIFE 2 – 8° C / 1 year from date of receipt PHYSICAL 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 LPAP immobilized on solid support. PROCEDURES The epitope recognized by A304-456A maps to a region between residue 156 to 206 of human Lymphocyte Phosphatase-Associated Phosphoprotein using the numbering given in entry NP 005599.1 (GeneID 5790). 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 1:2,000 - 1:10,000 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 4-20% 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. ADDITIONAL INFO https://www.bethyl.com/product/A304-456A 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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Ctrl IgG

Detection of human LPAP by western blot. Samples: Whole cell lysate (50 µg) prepared using NETN buffer from HeLa, HEK293T, and Jurkat cells. Antibodies: Affinity purified rabbit anti-LPAP antibody A304-456A (lot A304-456A-1) used for WB at 0.1 µg/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

Detection of human LPAP by western blot of

immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) prepared using NETN buffer from Jurkat cells. Antibodies: Affinity purified rabbit anti-LPAP antibody A304-456A (lot A304-456A-1) used for IP at 6 µg per reaction. LPAP was also immunoprecipitated by rabbit anti-LPAP antibody BL16743. For blotting immunoprecipitated LPAP, A304-456A was used at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.

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