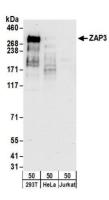
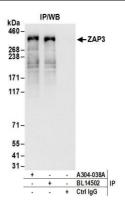
ZAP3 Antibody **Rabbit Polyclonal** Antigen Affinity Purified NP 062535.2 Protein ID Catalog No. A304-038A GenelD 56252 A304-038A-1 Lot No. BOBATOB **APPLICATIONS** WB. IP. IHC SPECIES REACTIVITY Human AMOUNT 100 ul CONCENTRATION $1000 \,\mu g/ml$ STORAGE/SHELF LIFE 2 – 8° C / 1 year from date of receipt 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 ZAP3 immobilized on solid support. PROCEDURES The epitope recognized by A304-038A maps to a region between residue 1350 to 1400 of human YLP Motif Containing 1 using the numbering given in entry NP_062535.2 (GeneID 56252). 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 Immunohistochemistry 1:500 – 1:2,000. 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 4-8% 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. **IHC HUMAN CONTROLS** Breast Carcinoma, Osteosarcoma, Ovarian Carcinoma **ADDITIONAL INFO** https://www.bethyl.com/product/A304-038A 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

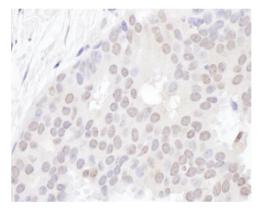
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Detection of human ZAP3 by western blot. Samples: Whole cell lysate (50 μ g) from HEK293T, HeLa, and Jurkat cells. Antibodies: Affinity purified rabbit anti–ZAP3 antibody A304–038A (lot A304–038A–1) used for WB at 0.1 μ g/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



Detection of human ZAP3 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) from HEK293T cells. Antibodies: Affinity purified rabbit anti-ZAP3 antibody A304–038A (lot A304–038A–1) used for IP at 6 µg/mg lysate. ZAP3 was also immunoprecipitated by rabbit anti-ZAP3 antibody BL14502. For blotting immunoprecipitated ZAP3, A304–038A was used at 1 µg/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



Detection of human ZAP3 by immunohistochemistry. *Sample:* FFPE section of human breast carcinoma. *Antibody:* Affinity purified rabbit anti- ZAP3 (Cat. No. A304-038A Lot1) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB

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