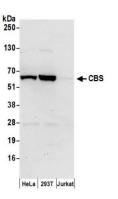
CBS Antibody **Rabbit Polyclonal** Antigen Affinity Purified Protein ID P35520.2 Catalog No. A304-780A GenelD 875 Lot No. A304-780A-1 BOBATOB APPLICATIONS WB. IP. IHC SPECIES REACTIVITY Human AMOUNT 100 ul CONCENTRATION $1000 \,\mu g/ml$ STORAGE/SHELF LIFE 2 – 8° C / 1 year from date of receipt PHYSICAL 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 CBS immobilized on solid support. PROCEDURES The epitope recognized by A304-780A maps to a region between residue 1 to 50 of human Cystathionine beta-synthase using the numbering given in entry P35520.2 (GeneID 875). 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 1:1,000 – 1:5,000. 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 4-20% 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. **IHC HUMAN CONTROLS Ovarian** Carcinoma **ADDITIONAL INFO** https://www.bethyl.com/product/A304-780A 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

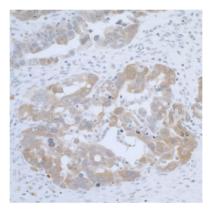
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Detection of human CBS by western blot. *Samples:* Whole cell lysate (50 μ g) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-CBS antibody A304–780A (lot A304–780A–1) used for WB at 0.1 μ g/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.

Detection of human CBS 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. *Antibody:* Affinity purified rabbit anti-CBS antibody A304-780A (lot A304-780A-1) used for IP at 6 µg per reaction. CBS was also immunoprecipitated by rabbit anti-CBS antibody BL18722. For blotting immunoprecipitated CBS, A304-780A was used at 0.4 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of human CBS by immunohistochemistry. *Sample:* FFPE section of human ovarian carcinoma. *Antibody:* Affinity purified rabbit anti-CBS (Cat. No. A304-780A Lot1) used at a dilution of 1:5000 (0.2µg/ml). *Detection:* DAB

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