## Estrogen Receptor Alpha Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID P03372
Catalog No. A300–498A GeneID 2099

Lot No. A300-498A-3

APPLICATIONS WB, IP

SPECIES REACTIVITY Human

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 Antibod
PROCEDURES on solid

Antibody was affinity purified using an epitope specific to Estrogen Receptor Alpha immobilized on solid support.

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The epitope recognized by A300-498A maps to a region between residue 550 and the C-terminus (residue 595) of human Estrogen Receptor Alpha using the numbering given in

SwissProt entry P03372 (GeneID 2099).

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 1:2,000 - 1:10,000

Immunoprecipitation 2 – 10 µg/mg lysate

**APPLICATION NOTES** Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. \$100-020),

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.

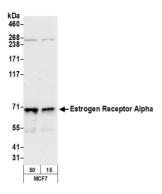
ADDITIONAL INFO https://www.bethyl.com/product/A300-498A

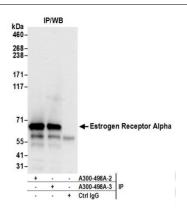
Use the link above to view SDS, a current list of citations, and other product specific information.

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 Estrogen Receptor Alpha by western blot. Samples: Whole cell lysate (50  $\mu$ g) from MCF-7 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Estrogen Receptor Alpha antibody A300-498A (lot A300-498A-3) used for WB at 0.1  $\mu$ g/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

Detection of human Estrogen Receptor Alpha by western blot of immunoprecipitates. *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from MCF-7 cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-Estrogen Receptor Alpha antibody A300-498A (lot A300-498A-3) used for IP at 6 µg per reaction. Estrogen Receptor Alpha was also immunoprecipitated by previous lot of this antibody A300-498A-2. For blotting immunoprecipitated Estrogen Receptor Alpha, A300-498A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.