**Estrogen Receptor Alpha Antibody**

Rabbit Polyclonal

**Antigen Affinity Purified**

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Protein ID</th>
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<tr>
<td>A300-497A-T</td>
<td>P03372</td>
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| GeneID | 2099 |

**APPLICATIONS**

| IP |

**SPECIES REACTIVITY**

Human

**AMOUNT**

10 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 PROCEDURES**

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

The epitope recognized by A300-497A-T maps to a region between residues 525 and 575 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**
  - Not recommended. Use rabbit anti-Estrogen Receptor Alpha antibody A300-498A-T.

- **Immunoprecipitation**
  - 3 – 5 µg/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 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

**ADDITIONAL INFO**

- https://www.bethyl.com/product/A300-497A-T

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

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Detection of human Estrogen Receptor Alpha by immunoprecipitation. **Samples:** Whole cell lysate (1 mg for IP, 1/4 of IP loaded) from MCF-7 cells. **Antibody:** Affinity purified rabbit anti-ER alpha antibodies BL2051 (Cat. No. A300–495A), BL2052 (Cat. No. A300–496A), BL2053 (Cat. No. A300–497A–T) and BL2054 (Cat. No. A300–498A) each used at 3 µg/mg lysate for IP. Estrogen receptor alpha was blotted using BL2054 at 0.1 µg/ml. **Detection:** Chemiluminescence with an exposure time of 3 minutes.