

# ERF Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP\_006485.2

Catalog No. A301-702A

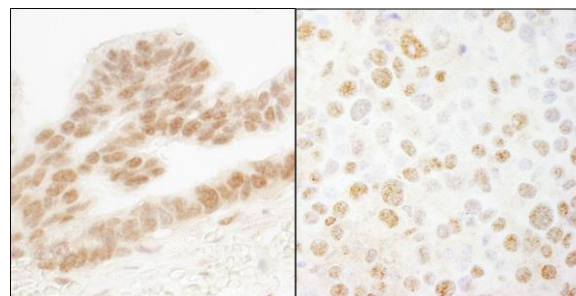
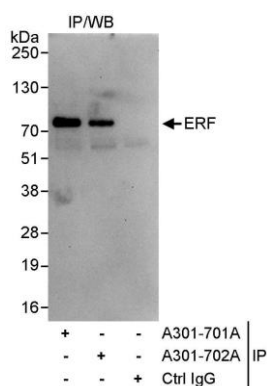
GeneID 2077

Lot No. A301-702A-1



<b>APPLICATIONS</b>	IP, IHC
<b>SPECIES REACTIVITY</b>	Human, Mouse
<b>AMOUNT</b>	100 µl
<b>CONCENTRATION</b>	1000 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 - 8° C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
<b>ISOTYPE</b>	IgG
<b>ORIGIN</b>	USA
<b>PRODUCTION PROCEDURES</b>	<p>Antibody was affinity purified using an epitope specific to ERF immobilized on solid support.</p> <p>The epitope recognized by A301-702A maps to a region between residue 498 and 548 of human Ets2 repressor factor using the numbering given in entry NP_006485.2 (GeneID 2077).</p> <p>Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.</p>
<b>APPLICATIONS</b>	<p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <p>Western Blot                      Not recommended. A301-702A has not performed satisfactorily when used for WB of ERF in crude preparations (e.g. whole cell lysate). This antibody can be used for WB of enriched (e.g. immunoprecipitated) sources of ERF.</p> <p>Immunoprecipitation            2 - 5 µg/mg lysate</p> <p>Immunohistochemistry        1:1,000 - 1:5,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.</p>
<b>APPLICATION NOTES</b>	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).
<b>ADDITIONAL INFO</b>	<p><a href="https://www.bethyl.com/product/A301-702A">https://www.bethyl.com/product/A301-702A</a></p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</p> <p>IP-western blot protocol: <a href="https://www.bethyl.com/content/protocol_IP_WB">https://www.bethyl.com/content/protocol_IP_WB</a></p>

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 ERF by western blot of immunoprecipitates.** *Samples:* Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. *Antibodies:* Affinity purified rabbit anti-ERF antibody A301-702A used for IP at 3  $\mu\text{g}/\text{mg}$  lysate. ERF was also immunoprecipitated by rabbit anti-ERF antibody A301-701A, which recognizes an upstream epitope. For blotting immunoprecipitated ERF, A301-702A was used at 1  $\mu\text{g}/\text{ml}$ . *Detection:* Chemiluminescence with an exposure time of 30 seconds.

**Detection of human and mouse ERF by immunohistochemistry.** *Sample:* FFPE section of human ovarian carcinoma (left) and mouse renal cell carcinoma (right). *Antibody:* Affinity purified rabbit anti-ERF (Cat. No. A301-702A) used at a dilution of 1:5,000 (0.2 $\mu\text{g}/\text{ml}$ ). *Detection:* DAB