

# eIF4E Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP\_001959.1

Catalog No. A301-153A

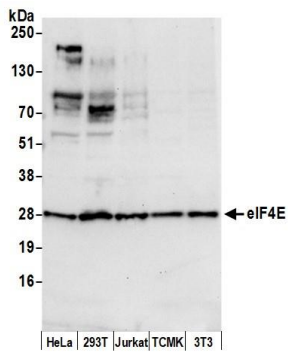
GeneID 1977

Lot No. A301-153A-2



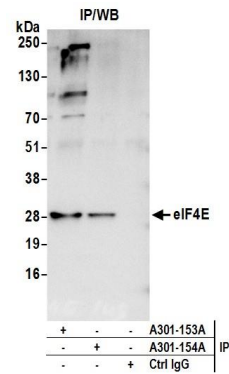
<b>APPLICATIONS</b>	WB, IP
<b>SPECIES REACTIVITY</b>	Human, Mouse
<b>PRESUMED REACTIVITY</b>	Based on 100% sequence identity, this antibody is predicted to react with Bovine and Rabbit
<b>AMOUNT</b>	100 µl
<b>CONCENTRATION</b>	1000 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 - 8° C / 1 year from date of receipt
<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 eIF4E immobilized on solid support.</p> <p>The epitope recognized by A301-153A maps to a region between residue 1 and 50 of human eukaryotic translation initiation factor 4E using the numbering given in entry NP_001959.1 (GeneID 1977).</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                    1:2,000 - 1:10,000</p> <p>Immunoprecipitation        2 - 10 µg/mg lysate</p>
<b>APPLICATION NOTES</b>	<p>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).</p> <p>Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.</p>
<b>ADDITIONAL INFO</b>	<p><a href="https://www.bethyl.com/product/A301-153A">https://www.bethyl.com/product/A301-153A</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 and mouse eIF4E by western blot.

**Samples:** Whole cell lysate (50 µg) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. **Antibody:** Affinity purified rabbit anti-eIF4E antibody A301-153A (lot A301-153A-2) used for WB at 0.1 µg/ml. **Detection:** Chemiluminescence with an exposure time of 10 seconds.



#### Detection of human eIF4E by western blot of immunoprecipitates.

**Samples:** Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. **Antibodies:** Affinity purified rabbit anti-eIF4E antibody A301-153A (lot A301-153A-2) used for IP at 6 µg per reaction. eIF4E was also immunoprecipitated by rabbit anti-eIF4E antibody A301-154A. For blotting immunoprecipitated eIF4E, A301-153A was used at 1 µg/ml. **Detection:** Chemiluminescence with an exposure time of 3 seconds.