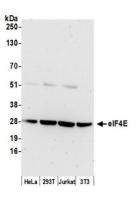
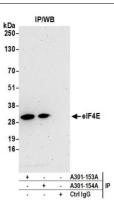
## elF4E Antibody

Rabbit Polyclo	nal				and the second s	
Antigen Affinity Purified			Protein ID	NP_001959.1		
Catalog No. A301–154A		GenelD	1977			
Lot No.		154A-3			LABORATORIES,	INC
APPLICATIONS		WB, IP				
SPECIES REACTIVITY		Human, Mouse				
PRESUMED REACTIVITY		Based on 100% sequence identity, this antibody is predicted to react with Rat, X. laevis, Bovine and Rabbit				
AMOUNT		100 µl				
CONCENTRATION		200 µg/ml				
STORAGE/SHELF LIFE		2 – 8° C / 1 year from date of receipt				
PHYSICAL STATE		Liquid				
BUFFER		Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide				
ISOTYPE		lgG				
ORIGIN		USA				
PRODUCTION PROCEDURES		Antibody was affinity purified using an epitope specific to eIF4E immobilized on solid support.				
		The epitope recognized by A301–154A maps to a region between residue 167 and 217 of human eukaryotic translation initiation factor 4E using the numbering given in entry NP_001959.1 (GeneID 1977).				
		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		
		Immunoprecipit	ation 2 –	10 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 4–20% 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.				
ADDITIONAL INFO		https://www.bethyl.com/product/A301–154A				
		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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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 and mouse eIF4E by western blot.** *Samples:* Whole cell lysate (50 µg) from HeLa, HEK293T, Jurkat, and mouse NIH 3T3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti–eIF4E antibody A301–154A (lot A301–154A–3) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.

## Detection of human eIF4E by western blot of

**immunoprecipitates.** Samples: Whole cell lysate (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 A301-154A (lot A301-154A-3) used for IP at 3  $\mu$ g per reaction. eIF4E was also immunoprecipitated by rabbit anti-eIF4E antibody A301-153A. For blotting immunoprecipitated eIF4E, A301-154A was used at 1  $\mu$ g/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.