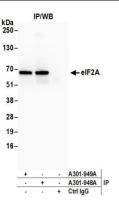
elF2A Antibody					
Rabbit Polyclonal					
Antigen Affinity Purified		ed Prot	ein ID	NP_114414.2	
Catalog No.	og No. A301–948A		eID	83939	RETUVI
Lot No.	A301-9	148A-2			
APPLICATIONS		IP, IHC			
SPECIES REACTIVITY		Human			
AMOUNT		100 µl			
CONCENTRATION		1000 μg/ml			
STORAGE/SHELF LIFE		2 - 8° C / 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 PROCEDURES		Antibody was affinity purified using an epitope specific to eIF2A immobilized on solid support.			
The epitope recognized by A301–948A maps to a region betwee eukaryotic translation initiation factor 2A, 65kDa using the nur NP_114414.2 (GeneID 83939).					
		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	No	ot recommended. Use rabbit a	anti-eIF2A antibody A301-949A.
		Immunoprecipitatior	2 -	- 5 μg/mg lysate	
		Immunohistochemis		200 – 1:1,000. Epitope retrie commended for FFPE tissue s	val with citrate buffer pH 6.0 is ections.
APPLICATION N	Goat anti-Rabbit Ligh	rn blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100–020), nti-Rabbit Light Chain HRP Conjugate (Cat. No. A120–113P) and 4–20% SDS-PAGE o IP-western blot protocol in Additional Info section below).			
IHC HUMAN CONTROLS BI		Breast Carcinoma, Colon Carcinoma			
ADDITIONAL INFO		https://www.bethyl.com/product/A301–948A			
		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			
		ir-western blot proto	coi. ntt	ps.//www.betriyi.com/conter	IL/ PLOTOCOLIF_WD

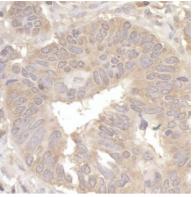
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019

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## Detection of human eIF2A 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-eIF2A antibody A301-948A (lot A301-948A-2) used for IP at 3 µg per reaction. eIF2A was also immunoprecipitated by rabbit anti-eIF2A antibody A301-949A. For blotting immunoprecipitated eIF2A, A301-948A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



**Detection of human elF2A by immunohistochemistry.** *Sample:* FFPE section of human colon carcinoma. *Antibody:* Affinity purified rabbit anti-elF2A (Cat. No. A301-948A Lot2) used at a dilution of 1:500 (2µg/ml). *Detection:* DAB

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