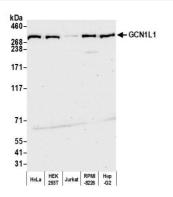
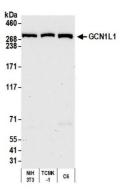
GCN1L1 Antibody					
Rabbit Polyclonal					
Antigen Affinity Purified			Protein ID	NP_006827.1	
Catalog No.	A301-843A		GenelD	10985	BETUVI
Lot No.	A301-	343A-3			
APPLICATIONS		WB, IP			
SPECIES REACTIVITY		Human, Mouse, Rat			
AMOUNT		100 µl			
CONCENTRATION		200 µg/ml			
STORAGE/SHELF LIFE		2 - 8° C / 1 year from date of receipt			
PHYSICAL STATE		Liquid			
BUFFER		Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide			
ISOTYPE		IgG			
ORIGIN		USA			
PRODUCTION PROCEDURES		Antibody was affinity purified using an epitope specific to GCN1L1 immobilized on solid support.			
		The epitope recognized by A301–843A maps to a region between residue 2621 and 2671 of human general control of amino-acid synthesis 1-like 1 using the numbering given in entry NP_006827.1 (GeneID 10985).			
		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	2,000 - 1:10,000	
		Immunoprecip	itation 2 -	- 10 µg/mg lysate	
ADDITIONAL INFO		https://www.bethyl.com/product/A301–843A			
		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			

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.Eric McIntush, PhD | Chief Scientific OfficerDate: October 20, 2020

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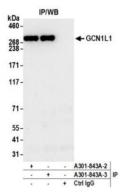


Detection of human GCN1L1 by western blot. Samples: Whole cell lysate (50  $\mu$ g) from HeLa, HEK293T, Jurkat, RPMI-8226, and Hep-G2 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-GCN1L1 antibody A301-843A (lot A301-843A-3) used for WB at 0.04  $\mu$ g/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



Detection of mouse and rat GCN1L1 by western blot.

Samples: Whole cell lysate (50  $\mu$ g) from NIH 3T3, TCMK-1, and C6 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-GCN1L1 antibody A301-843A (lot A301-843A-3) used for WB at 0.04  $\mu$ g/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



## Detection of human GCN1L1 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-GCN1L1 antibody A301-843A (lot A301-843A-3) used for IP at 6 µg per reaction. GCN1L1 was also immunoprecipitated by a previous lot of this antibody (lot A301-843A). For blotting immunoprecipitated GCN1L1, A301-843A was used at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.

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