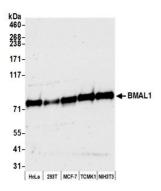
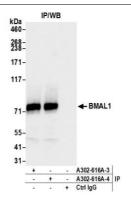
## **BMAL1** Antibody

Dabbit Dabrala	nal				C.
Rabbit Polyclo		d	Protoin ID		
Antigen Affinity Purified Catalog No. A302-616A			Protein ID	NP_001025443.1 406	
Catalog No. Lot No.		616A-4	GenelD	400	BETHYL
APPLICATIONS		WB, IP			
SPECIES REACTIVITY		Human, Mouse			
PRESUMED REACTIVITY		Based on 100% sequence identity, this antibody is predicted to react with Rat, Chicken, Horse, Golden hamster and Orangutan 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 BMAL1 immobilized on solid support.			
PROCEDURES		The epitope recognized by A302-616A maps to a region between residue 575 and 625 of human brain and muscle Arnt-like protein-1 using the numbering given in entry NP_001025443.1 (GeneID 406).			
		Antibody 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			
		Immunoprecipitation 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 4–8% SDS–PAGE (link to IP–western blot protocol in Additional Info section below).			
ADDITIONAL INFO		Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE. https://www.bethyl.com/product/A302-616A 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 Officer Date: September 4, 2019

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Detection of human and mouse BMAL1 by western blot. Samples: Whole cell lysate (50  $\mu$ g) from HeLa, HEK293T, MCF-7, TCMK-1, and NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-BMAL1 antibody A302-616A (lot A302-616A-4) used for WB at 0.1  $\mu$ g/ml. Detection: Chemiluminescence with an exposure time of 30 seconds. Detection of human BMAL1 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-BMAL1 antibody A302-616A (lot A302-616A-4) used for IP at 6 µg per reaction. BMAL1 was also immunoprecipitated by a previous lot of this antibody (lot A302-616A-3). For blotting immunoprecipitated BMAL1, A302-616A was used at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 seconds.