Myosin–9 Antibody					
Rabbit Polyclonal					
Antigen Affinity Purified		ed	Protein ID	NP_002464.1	
Catalog No.	A304-490A		GenelD	4627	BETUVI
Lot No.	A304-	490A-2			LABORATORIES, INC
APPLICATIONS		WB, IP			
SPECIES REACTIVITY		Human, Mouse			
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 Myosin-9 immobilized on solid support.			
		The epitope recognized by A304–490A maps to a region between residue 1900 to 1950 of human Myosin Heavy Chain 9 using the numbering given in entry NP_002464.1 (GeneID 4627).			
APPLICATIONS		Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.			
		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	
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/A304-490A 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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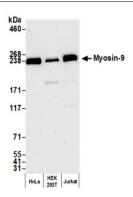
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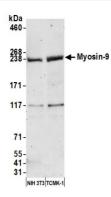
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This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.Eric McIntush, PhD | Chief Scientific OfficerDate: February 28, 2020

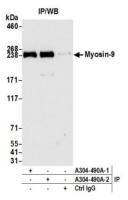
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Detection of human Myosin-9 by western blot. *Samples:* Whole cell lysate (5 μ g) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-Myosin-9 antibody A304-490A (lot A304-490A-2) used for WB at 0.04 μ g/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of mouse Myosin-9 by western blot. *Samples:* Whole cell lysate (50 μ g) from NIH 3T3 and TCMK-1 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-Myosin-9 antibody A304-490A (lot A304-490A-2) used for WB at 0.04 μ g/ml. *Detection:* Chemiluminescence with an exposure time of 75 seconds.



Detection of human Myosin-9 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-Myosin-9 antibody A304-490A (lot A304-490A-2) used for IP at 6 µg per reaction. Myosin-9 was also immunoprecipitated by a previous lot of this antibody (lot A304-490A-1). For blotting immunoprecipitated Myosin-9, A304-490A-2 was used at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 seconds.

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