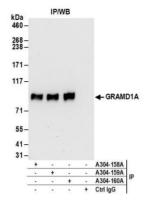
GRAMD1A Antibody						
Rabbit Polyclor Antigen Affinit Catalog No. Lot No.	ffinity Purified		Protein ID GenelD	NP_065946.2 57655		BETHYL
APPLICATIONS		IP				
SPECIES REACTIVITY		Human				
PRESUMED REACTIVITY		Based on 100% sequence identity, this antibody is predicted to react with Mouse and Rat				
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 GRAMD1A immobilized on solid support.				
		The epitope recognized by A304-158A maps to a region between residue 1 to 50 of human GRAM Domain Containing 1A using the numbering given in entry NP_065946.2(GeneID 57655				
		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	Not	recommended. Use rabb	oit anti-GRAMD1A a	antibody A304-160A.
		Immunoprecipit	tation 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		https://www.bethyl.com/product/A304-158A				
		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: June 21, 2019

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Detection of human GRAMD1A by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1 mg for IP; 20% of IP loaded) from HeLa cells. *Antibodies:* Affinity purified rabbit anti-GRAMD1A antibody A304–158A (lot A304–158A–1) used for IP at 6 μ g/mg lysate. GRAMD1A was also immunoprecipitated by rabbit anti-GRAMD1A antibodies A304–159A and A304–160A. For blotting immunoprecipitated GRAMD1A, A304–160A was used at 1 μ g/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.