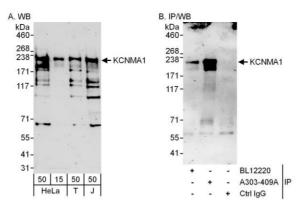
KCNMA1 Antibody					
-	-		Protein ID GeneID	NP_001154824.1 3778	BETHYL LABORATORIES, INC
APPLICATIONS		WB, IP			
SPECIES REACTIVITY		Human			
PRESUMED REACTIVITY		Based on 100% sequence identity, this antibody is predicted to react with Mouse, Rat, X. laevis, Chicken, Bovine, Dog, Rabbit, Pig and Monkey			
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 KCNMA1 immobilized on solid support.			
		The epitope recognized by A303-409A maps to a region between residue 450 and 500 of human Potassium Large Conductance Calcium-Activated Channel, Subfamily M, Alpha Member 1 using the numbering given in entry NP_001154824.1 (GeneID 3778).			
		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	1:5	00 - 1:2,500	
		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).			
		Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.			
ADDITIONAL INFO		https://www.bethyl.com/product/A303–409A			
		Use the link above to view SDS, a current list of citations, and other product specific information.			
		IP-western blot	protocol: http	s://www.bethyl.com/conter	nt/protocol_IP_WB
This document cortifies that this product has met all of the quality control standards defined by Pothyl Laboratories. Inc					

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 KCNMA1 by western blot and immunoprecipitation. Samples: Whole cell lysate from HeLa (15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 µg) and Jurkat (J; 50 µg) cells. Antibodies: Affinity purified rabbit anti-KCNMA1 antibody A303-409A used for WB at 0.4 µg/ml (A) and 1 µg/ml (B) and used for IP at 6 µg/mg lysate. KCNMA1 was also immunoprecipitated by rabbit anti-KCNMA1 antibody BL12220, which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 3 minutes (A and B).

Bethyl Laboratories, Inc. • 25043 West FM 1097 • Montgomery, TX 77356 • 800.338.9579 • 936.597.6111 • 866.597.6105 (FAX) • www.bethyl.com • technical@bethyl.com