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Rho GTPase activating protein 29 Rabbit pAb

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Catalog # AP58376

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q52LW3
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	142064
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PARG1
Epitope Specificity	301-400/1261
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Rho GTPase activating protein 29 is a GTPase activator for the Rho-type GTPases. It converts them to an inactive GDP-bound state. It has strong activity toward RHOA and weaker activity toward RAC1 and CDC42. It also may act as a specific effector of RAP2A to regulate Rho. There are two named isoforms produced by alternative splicing. Rho GTPase activating protein 29 is widely expressed; highly expressed in skeletal muscle and heart; expressed at intermediate level in placenta, liver and pancreas; weakly expressed in brain, lung and kidney.

Additional Information

Gene ID	9411
Other Names	Rho GTPase-activating protein 29, PTPL1-associated RhoGAP protein 1, Rho-type GTPase-activating protein 29, ARHGAP29, PARG1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ARHGAP29
Synonyms	PARG1
Function	GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state. Has strong activity toward RHOA, and weaker activity toward RAC1 and CDC42. May act as a specific effector of RAP2A to regulate Rho. In concert with RASIP1, suppresses RhoA signaling and dampens ROCK and MYH9 activities in endothelial cells and plays an essential role in blood vessel tubulogenesis.
Tissue Location	Widely expressed. Highly expressed in skeletal muscle and heart. Expressed at intermediate level in placenta, liver and pancreas. Weakly expressed in brain, lung and kidney

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.