

Rho GTPase activating protein 29 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58376**Specification****Rho GTPase activating protein 29 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q52LW3
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	142 KDa
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.
SIMILARITY	Contains 1 phorbol-ester/DAG-type zinc finger.Contains 1 Rho-GAP domain.
SUBUNIT	Interacts with PTPN13/PTPL1. Interacts with RAP2A via its coiled coil domain.
	Interacts with RASIP1 (By similarity).
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.

Rho GTPase activating protein 29 Polyclonal Antibody - 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

Target/Specificity

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.

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

Rho GTPase activating protein 29 Polyclonal Antibody - 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

Rho GTPase activating protein 29 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Rho GTPase activating protein 29 Polyclonal Antibody - Images