



Rabbit Anti-Rho GTPase activating protein 29 antibody

SL6098R

Product Name:	Rho GTPase activating protein 29
Chinese Name:	Rho GTP酶激活蛋白29抗体
Alias:	ARHGAP 29; ARHGAP29; ARHGAP29 protein; MGC166097; PARG 1; PARG1; PTPL1 associated RhoGAP 1; PTPL1-associated RhoGAP protein 1; RHG29_HUMAN; Rho GTPase activating protein 29; Rho GTPase activating protein 29 isoform CRA_a; Rho GTPase activating protein 29 isoform CRA_b; Rho GTPase-activating protein 29; Rho-type GTPase-activating protein 29.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	142kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PARG1:301-400/1261
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

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.

Subunit:

Interacts with PTPN13/PTPL1. Interacts with RAP2A via its coiled coil domain. Interacts with RASIP1 (By similarity).

Tissue 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.

Similarity:

Contains 1 phorbol-ester/DAG-type zinc finger.
Contains 1 Rho-GAP domain.

SWISS:

Q52LW3

Gene ID:

9411

Database links:

[Entrez Gene: 9411](#)Human

[Entrez Gene: 214137](#)Mouse

[Omim: 610496](#)Human

[SwissProt: Q52LW3](#)Human

[SwissProt: Q8CGF1](#)Mouse

[Unigene: 483238](#)Human

[Unigene: 229287](#)Mouse

	<p>Important Note:</p>
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This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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