

ARHGAP18 Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP50994

Product Information

Application WB, IP, IHC-P
Primary Accession Q8N392
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 74977

Additional Information

Gene ID 93663

Other Names Rho GTPase-activating protein 18, MacGAP, Rho-type GTPase-activating

protein 18, ARHGAP18 (HGNC:21035)

Target/Specificity KLH-conjugated synthetic peptide encompassing a sequence within the

C-term region of human ARHGAP18. The exact sequence is proprietary.

Dilution WB~~1:1000 IP~~N/A IHC-P~~N/A

Format 0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name ARHGAP18 (HGNC:21035)

Function Rho GTPase activating protein that suppresses F-actin polymerization by

inhibiting Rho. Rho GTPase activating proteins act by converting Rho-type GTPases to an inactive GDP-bound state (PubMed:<u>21865595</u>). Plays a key role in tissue tension and 3D tissue shape by regulating cortical actomyosin

network formation. Acts downstream of YAP1 and inhibits actin polymerization, which in turn reduces nuclear localization of YAP1 (PubMed: 25778702). Regulates cell shape, spreading, and migration

(PubMed:21865595).

Cellular Location Cytoplasm.

Background

GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state (By similarity).

References

Bechtel S.,et al.BMC Genomics 8:399-399(2007). Mungall A.J.,et al.Nature 425:805-811(2003). Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases. Uchida T.,et al.Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases. Lehner B.,et al.Genome Res. 14:1315-1323(2004).

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