

# ARHGAP18 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP50994

## Product Information

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<b>Application</b>	WB, IP, IHC-P
<b>Primary Accession</b>	<a href="#">Q8N392</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	74977

## Additional Information

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<b>Gene ID</b>	93663
<b>Other Names</b>	Rho GTPase-activating protein 18, MacGAP, Rho-type GTPase-activating protein 18, ARHGAP18 ( <a href="#">HGNC:21035</a> )
<b>Dilution</b>	WB~~1:1000 IP~~N/A IHC-P~~N/A
<b>Format</b>	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	ARHGAP18 ( <a href="#">HGNC:21035</a> )
<b>Function</b>	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: <a href="#">21865595</a> ). 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: <a href="#">25778702</a> ). Regulates cell shape, spreading, and migration (PubMed: <a href="#">21865595</a> ).
<b>Cellular Location</b>	Cytoplasm.

## Background

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

## References

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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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