

**ARHGAP22 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP50995****Specification**

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**ARHGAP22 Antibody - Product Information**

Application	WB, IHC-P, E
Primary Accession	<a href="#">Q7Z5H3</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	77 KDa

**ARHGAP22 Antibody - Additional Information****Gene ID** 58504**Other Names**

Rho GTPase-activating protein 22, Rho-type GTPase-activating protein 22, ARHGAP22, RHOGAP2

**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

**ARHGAP22 Antibody - Protein Information****Name** ARHGAP22**Synonyms** RHOGAP2**Function**

Rho GTPase-activating protein involved in the signal transduction pathway that regulates endothelial cell capillary tube formation during angiogenesis. Acts as a GTPase activator for the RAC1 by converting it to an inactive GDP-bound state. Inhibits RAC1- dependent lamellipodia formation. May also play a role in transcription regulation via its interaction with VEZF1, by regulating activity of the endothelin-1 (EDN1) promoter (By similarity).

**Cellular Location**

Cytoplasm. Nucleus. Note=Mainly cytoplasmic. Some fraction is nuclear (By similarity)

**ARHGAP22 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](#)

#### **ARHGAP22 Antibody - Images**

#### **ARHGAP22 Antibody - Background**

Rho GTPase-activating protein involved in the signal transduction pathway that regulates endothelial cell capillary tube formation during angiogenesis. Acts as a GTPase activator for the RAC1 by converting it to an inactive GDP-bound state. Inhibits RAC1-dependent lamellipodia formation. May also play a role in transcription regulation via its interaction with VEZF1, by regulating activity of the endothelin-1 (EDN1) promoter (By similarity).

#### **ARHGAP22 Antibody - References**

Huang C.Q.,et al.Submitted (JUN-2003) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Yu W.,et al.Submitted (FEB-1997) to the EMBL/GenBank/DDBJ databases.  
Bechtel S.,et al.BMC Genomics 8:399-399(2007).  
Deloukas P.,et al.Nature 429:375-381(2004).