10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Specification

ARHGAP22 Antibody - Product Information

Application	**WB, IHC-P, E**
Primary Accession	Q7Z5H3
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

Target/Specificity
KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ARHGAP22. The exact sequence is proprietary.

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

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 Cytomety
- 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).