

Anti-ARHGAP22 Antibody

Catalog # AP50995

Product Information

Application	WB, IHC
Primary Accession	Q7Z5H3
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	76779

Additional Information

Gene ID	58504
Other Names	RHOGAP2; Rho GTPase-activating protein 22; Rho-type GTPase-activating protein 22
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ARHGAP22. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

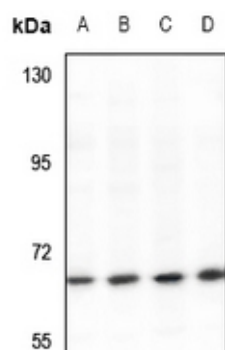
Protein Information

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)

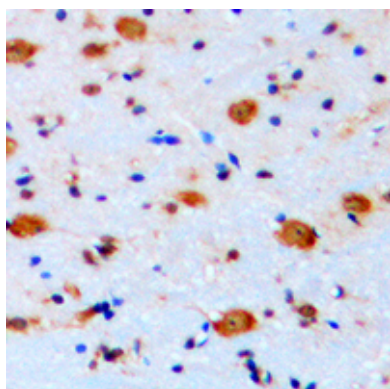
References

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).

Images



Western blot analysis of ARHGAP22 expression in SP20 (A), PC12 (B), HEK293T (C), Hela (D) whole cell lysates. (Predicted band size: 76 kD; Observed band size: 68 kD)



Immunohistochemical analysis of ARHGAP22 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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