

ARHGAP39 Antibody

Catalog # ASC11361

Product Information

Application	WB, E
Primary Accession	Q9C0H5
Other Accession	NP_079527 , 58331179
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	121286
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	ARHGAP39 antibody can be used for detection of ARHGAP39 by Western blot at 1 - 2 µg/mL.

Additional Information

Gene ID	80728
Other Names	Rho GTPase-activating protein 39, ARHGAP39, KIAA1688
Target/Specificity	ARHGAP39; ARHGAP39 antibody is predicted to not cross-react with other RhoGAP protein family members.
Reconstitution & Storage	ARHGAP39 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	ARHGAP39 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ARHGAP39
Synonyms	KIAA1688
Cellular Location	Nucleus.

Background

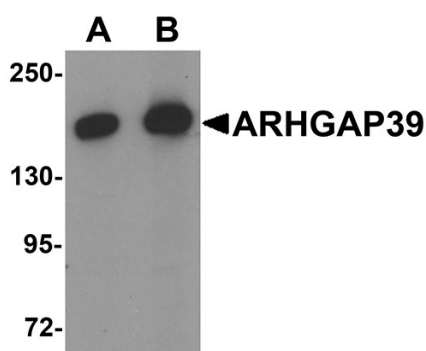
ARHGAP39 Antibody: Rho GTPases are important regulators of the actin cytoskeleton and consequently influence the shape and migration of cells. GTPase-activating proteins (GAPs) accelerate the intrinsic rate of

GTP hydrolysis of Ras-related proteins. ARHGAP39 (Rho GTPase activating protein 39) is a 1,083 amino acid nuclear protein that contains one MyTH4 domain, one Rho GAP domain and two WW domains. It is encoded by a gene located on human chromosome 8, which is associated with a variety of diseases and malignancies. ARHGAP39 regulates robo signaling and plays important roles in axon guidance.

References

Takai Y, Sasaki T, and Matozaki T. Small GTP-binding proteins. *Physiol. Rev.* 2001; 81:153-208.
Hu H, Li M, Labrador JP, et al. Cross GTPase-activating protein (CrossGAP)/Vilse links the Roundabout receptor to Rac to regulate midline repulsion. *Proc. Natl. Acad. Sci. USA* 2005; 102:4613-8
Nusbaum C, Mikkelsen TS, Zody MC, et al. DNA sequence and analysis of human chromosome 8. *Nature* 2006; 439:331-5
Lundström A, Gallio M, Englund C, et al. Vilse, a conserved Rac/Cdc42 GAP mediating Robo repulsion in tracheal cells and axons. *Genes Dev.* 2004; 18:2161-71.

Images



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