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

RASA3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19031b

Product Information

Application	WB, E
Primary Accession	Q14644
Other Accession	NP_031394.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB39648
Calculated MW	95699
Antigen Region	594-623

Additional Information

Gene ID	22821
Other Names	Ras GTPase-activating protein 3, GAP1(IP4BP), Ins P4-binding protein, RASA3
Target/Specificity	This RASA3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 594-623 amino acids from the C-terminal region of human RASA3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	RASA3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RASA3
Function	Inhibitory regulator of the Ras-cyclic AMP pathway. Binds inositol tetrakisphosphate (IP4) with high affinity. Might be a specific IP4 receptor.

Cellular Location Cell membrane.

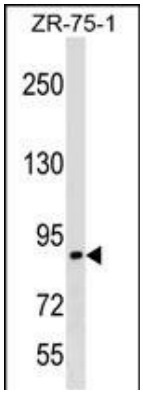
Background

The protein encoded by this gene is member of the GAP1 family of GTPase-activating proteins. The gene product stimulates the GTPase activity of normal RAS p21 but not its oncogenic counterpart. Acting as a suppressor of RAS function, the protein enhances the weak intrinsic GTPase activity of RAS proteins resulting in the inactive GDP-bound form of RAS, thereby allowing control of cellular proliferation and differentiation. This family member is an inositol 1,3,4,5-tetrakisphosphate-binding protein, like the closely related RAS p21 protein activator 2. The two family members have distinct pleckstrin-homology domains, with this particular member having a domain consistent with its localization to the plasma membrane.

References

Kupzig, S., et al. Mol. Cell. Biol. 29(14):3929-3940(2009)
Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005)
Walker, S.A., et al. J. Biol. Chem. 277(50):48779-48785(2002)
Koehler, J.A., et al. Biochem. Biophys. Res. Commun. 283(4):888-895(2001)
Cozier, G.E., et al. J. Biol. Chem. 275(36):28261-28268(2000)

Images



RASA3 Antibody (C-term) (Cat. #AP19031b) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the RASA3 antibody detected the RASA3 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.