bs-6088R

- DATASHEET -

[Primary Antibody]

RASAL1 Rabbit pAb



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DATASHELI		
Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:400-800)
Clonality: Polyclo	nal	IHC-F (1:400-800) IF (1:100-500)
GenelD: 8437	SWISS: 095294	. (1.100 300)
Target: RASAL1		Reactivity: Human (predicted: Mouse, Rat, Sheep, Cow, Dog)
Immunogen: KLH col 451-550	njugated synthetic peptide derived from human RASA)/805.	L1:
Purification: affinity purified by Protein A		Predicted 90 kDa
Concentration: 1mg/m	l	MW.: Sterked
Storage: 0.01M T Glycerc Shippe freeze/ ⁱ	BS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% I. d at 4°C. Store at -20°C for one year. Avoid repeated thaw cycles.	Subcellular Location: Cytoplasm
Background: Ras GTI of the G repetiti and dea compri central domair RASAL, cytosol plasma the con activate RASAL4 plasma spikes.	Pase activating-like protein (RASAL) or RASAL1 is a mer AP1 family, and a Ca2+ sensor responding in-phase to ve Ca2+ signals by associating with the plasma memb activating Ras. It contains a conserved domain structu sing N-terminal tandem C2 domains, a highly conserve RasGAP domain, and a C-terminal pleckstrin-homolog that is associated with a Bruton's tyrosine kinase mod like Ca2+ -promoted Ras inactivator (CAPRI, or RASAL ic protein that undergoes a rapid translocation to the membrane in response to receptor-mediated elevatio centration of intracellular free Ca2+, a translocation the s its ability to function as a RasGAP. However, unlike , RASAL undergoes an oscillatory translocation to the membrane that occurs in synchrony with repetitive Ca	mber rane re ed gy tif. 4), is a on in hat a2+

- VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RASAL1) Polyclonal Antibody, Unconjugated (bs-6088R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Tissue/cell: rat brain tissue;4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-RASAL1 Polyclonal Antibody, Unconjugated(bs-6088R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei

- SELECTED CITATIONS -------

• [IF=3.06] Hong, Yan, et al. "Paridis Rhizoma Sapoinins attenuates liver fibrosis in rats by regulating the expression of RASAL1/ERK1/2 signal pathway." Journal of Ethnopharmacology (2016). IHC ;="Rat". 27396351