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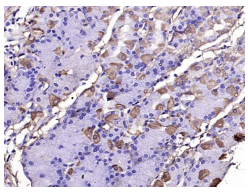
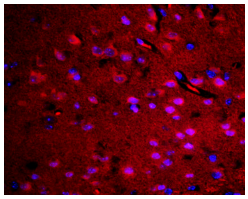
RASAL1 Rabbit pAb

Catalog Number:	bs-6088R
Target Protein:	RASAL1
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	IHC-P (1:400-800), IHC-F (1:400-800), IF (1:100-500)
Reactivity:	Human (predicted:Mouse, Rat, Sheep, Cow, Dog)
Predicted MW:	90 kDa
Entrez Gene:	8437
Swiss Prot:	O95294
Source:	KLH conjugated synthetic peptide derived from human RASAL1: 451-550/805.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	Ras GTPase activating-like protein (RASAL) or RASAL1 is a member of the GAP1 family, and a Ca2+ sensor responding in-phase to repetitive Ca2+ signals by associating with the plasma membrane and deactivating Ras. It contains a conserved domain structure comprising N-terminal tandem C2 domains, a highly conserved central RasGAP domain, and a C-terminal pleckstrin-homology domain that is associated with a Bruton's tyrosine kinase motif. RASAL, like Ca2+ -promoted Ras inactivator (CAPRI, or RASAL4), is a cytosolic protein that undergoes a rapid translocation to the plasma membrane in response to receptor-mediated elevation in the concentration of intracellular free Ca2+, a translocation that activates its ability to function as a RasGAP. However, unlike RASAL4, RASAL undergoes an oscillatory translocation to the plasma membrane that occurs in synchrony with repetitive Ca2+ spikes.

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 paraffin-embedded; 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

PRODUCT SPECIFIC PUBLICATIONS

[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