

For Research Use Only

RASGRF1 Monoclonal antibody, PBS Only



Catalog Number: 67010-1-PBS

Basic Information

| | | |
|--|---|---|
| Catalog Number: 67010-1-PBS | GenBank Accession Number: BC040275 | Purification Method: Protein A purification |
| Size: 1 mg/ml | GeneID (NCBI): 5923 | CloneNo.: 1A4D4 |
| Source: Mouse | UNIPROT ID: Q13972 | |
| Isotype: IgG1 | Full Name: Ras protein-specific guanine nucleotide-releasing factor 1 | |
| Immunogen Catalog Number: AG6937 | Calculated MW: 134 kDa | |
| | Observed MW: 145 kDa | |

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
rat, pig

Background Information

RasGRF1, a member of calmodulin-activated guanine-nucleotide exchange factors (GEFs), highly expressed at the synaptic junctions of the central nervous system (CNS). It is similar to the *Saccharomyces cerevisiae* CDC25. RASGRF1 serves as an *in vivo* activator for H-RAS and members of the R-RAS and RAC subfamilies. Several studies have shown that RasGRF1 also binds to microtubules and participate in the regulation of neurite outgrowth. RasGRF1 has been implicated in neuronal excitability. The studies of the similar gene in mouse suggested that the Ras-GEF activity of this protein in brain can be activated by Ca²⁺ influx, muscarinic receptors, and G protein beta-gamma subunit. Mouse studies also indicated that the Ras-GEF signaling pathway mediated by this protein may be important for long-term memory.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

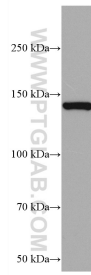
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



pig cerebellum tissue were subjected to SDS PAGE followed by western blot with 67010-1-Ig (RASGRF1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67010-1-PBS in a different storage buffer formulation.