

For Research Use Only

RASGRP3 Monoclonal antibody

Catalog Number: 66650-1-Ig



Basic Information

Catalog Number:

66650-1-Ig

Size:

150ul, Concentration: 1900 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG3810

GenBank Accession Number:

BC027849

GeneID (NCBI):

25780

UNIPROT ID:

Q8IV61

Full Name:

RAS guanyl releasing protein 3 (calcium and DAG-regulated)

Calculated MW:

690 aa, 78 kDa

Observed MW:

78 kDa

Purification Method:

Protein A purification

CloneNo.:

1A10G4

Recommended Dilutions:

WB 1:1000-1:3000

IF/ICC 1:400-1:1600

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

Human, mouse

Positive Controls:

WB : Raji cells, HEK-293 cells, Jurkat cells, Ramos cells, Raw 264.7 cells

IF/ICC : HEK-293 cells,

Background Information

AS guanyl releasing protein 3 (RASGRP3) is a member of the RasGRP family and is able to promote guanine nucleotide exchange of Ha-Ras, R-Ras and Rap1 (PMID: 9582122). RASGRP3 is involved in a diverse range of important biological processes. RASGRP3 has emerged as an important mediator of signaling downstream from receptor coupled phosphoinositide turnover in B and T cells. Overexpression of RASGRP3 is commonly associated with many malignancies, such as pre-B-cell leukemia, Burkitt's lymphoma and natural killer-like T-cell leukemia. Recently, it has been reported that upregulation of RASGRP3 expression in prostate cancer correlates with aggressive capabilities and predicts biochemical recurrence after radical prostatectomy (PMID: 24418912).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

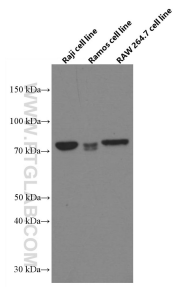
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

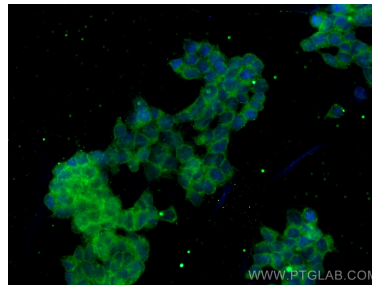
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66650-1-Ig (RASGRP3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using RASGRP3 antibody (66650-1-Ig, Clone: 1A10G4) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).