

For Research Use Only

RASGRP3 Monoclonal antibody

Catalog Number: 66650-1-Ig



Basic Information

Catalog Number: 66650-1-Ig	GenBank Accession Number: BC027849	Purification Method: Protein A purification
Size: 150ul, Concentration: 1900 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 25780	CloneNo.: 1A10G4
Source: Mouse	UNIPROT ID: Q8IV61	Recommended Dilutions: WB 1:1000-1:3000 IF/ICC 1:400-1:1600
Isotype: IgG2a	Full Name: RAS guanyl releasing protein 3 (calcium and DAG-regulated)	
Immunogen Catalog Number: AG3810	Calculated MW: 690 aa, 78 kDa	
	Observed MW: 78 kDa	

Applications

Tested Applications: WB, IF, ELISA	Positive Controls:
Species Specificity: Human, mouse	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-Bcell 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

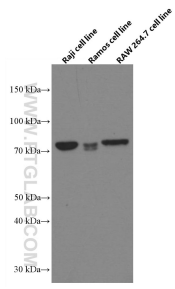
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

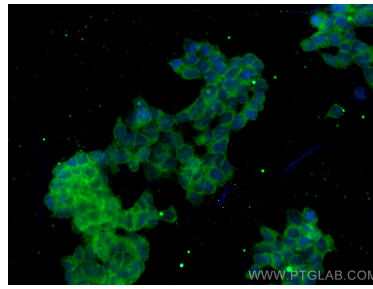
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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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 AffiniPure Goat Anti-Mouse IgG(H+L).