

For Research Use Only

CoraLite®594-conjugated RASGRP3 Monoclonal antibody



Catalog Number:CL594-66650

Basic Information

Catalog Number: CL594-66650	GenBank Accession Number: BC027849	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 25780	CloneNo.: 1A10G4
Source: Mouse	Full Name: RAS guanyl releasing protein 3 (calcium and DAG-regulated)	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	Calculated MW: 690 aa, 78 kDa	Excitation/Emission maxima wavelengths: 593 nm / 614 nm
Immunogen Catalog Number: AG3810	Observed MW: 78 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : HEK-293 cells,
Species Specificity: Human, mouse	

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

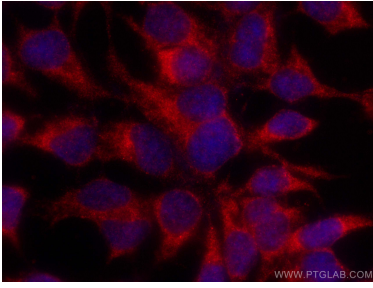
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using CoraLite®594 RASGRP3 antibody (CL594-66650, Clone: 1A10G4) at dilution of 1:200.