

CoraLite®594-conjugated RASGRP3 Monoclonal antibody

Catalog Number: **CL594-66650**

Basic Information

Catalog Number:

CL594-66650

Size:

1000 µg/ml

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:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

Human, mouse

Positive Controls:

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:

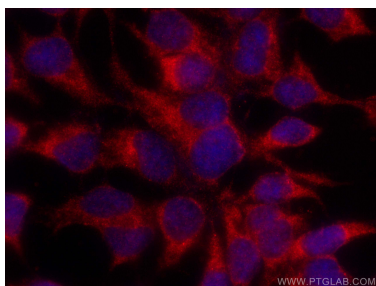
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.