

# CoraLite<sup>®</sup> Plus 488-conjugated RIC8A Monoclonal antibody

Catalog Number: **CL488-66625**

## Basic Information

Catalog Number:

CL488-66625

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG1593

GenBank Accession Number:

BC011821

GeneID (NCBI):

60626

UNIPROT ID:

Q9NPQ8

Full Name:

resistance to inhibitors of  
cholinesterase 8 homolog A (C.  
elegans)

Calculated MW:

60 kDa

Observed MW:

65 kDa

Purification Method:

Protein G purification

CloneNo.:

1E3B11

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF-P

Species Specificity:

Human, Rat, Mouse

Positive Controls:

IF-P : mouse brain tissue,

## Background Information

RIC8A, also named as synembryn-A, is a Guanine nucleotide exchange factor (GEF), which can activate some, but not all, G-alpha proteins by exchanging bound GDP for free GTP. It is involved in regulation of microtubule pulling forces during mitotic movement of chromosomes by stimulating G(i)-alpha protein, possibly leading to release G(i)-alpha-GTP and NuMA proteins from the NuMA-GPSM2-G(i)-alpha-GDP complex. RIC8A also acts as an activator for G(q)-alpha (GNAQ) protein by enhancing the G(q)-coupled receptor-mediated ERK activation.

## Storage

Storage:

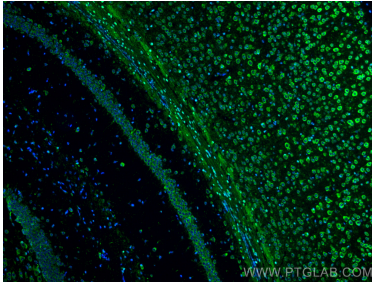
Store at -20°C. Avoid exposure to light.

Storage Buffer:

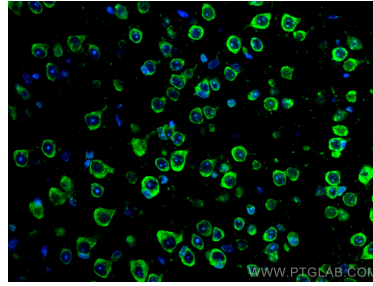
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® Plus 488 RIC8A antibody (CL488-66625, Clone: 1E3B11 ) at dilution of 1:200.



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