

# CoraLite®594-conjugated RIC8A Monoclonal antibody

Catalog Number: **CL594-66625**

## Basic Information

**Catalog Number:**

CL594-66625

**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:**

588 nm / 604 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:**

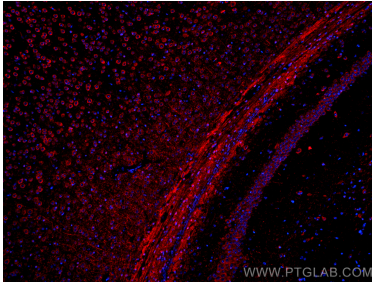
Store at -20°C. Avoid exposure to light.

**Storage Buffer:**

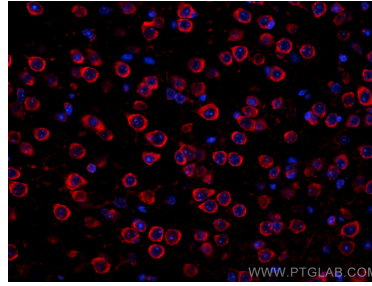
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite®594 RIC8A antibody (CL594-66625, Clone: 1E3B11 ) at dilution of 1:200.



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