

CoraLite®594-conjugated ITM2C Monoclonal antibody

Catalog Number: CL594-60095

Basic Information

Catalog Number:

CL594-60095

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG4409

GenBank Accession Number:

BC025742

GeneID (NCBI):

81618

UNIPROT ID:

Q9NQX7

Full Name:

integral membrane protein 2C

Calculated MW:

230aa, 26 kDa; 267aa, 30 kDa

Observed MW:

35 kDa

Purification Method:

Protein A purification

CloneNo.:

2E8G11

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, canine

Positive Controls:

IF/ICC : HepG2 cells, MDCK cells

Background Information

The Integral membrane protein 2C (ITM2C) is a type II integral transmembrane protein belonging to a family composed of at least two other members, ITM2A and ITM2B. ITM2C, often called transmembrane protein BRI3, is highly expressed in brain tissue. Yeast two-hybrid screen system revealed that BRI3 could interact with beta-secretase beta-amyloid protein converting enzyme (BACE)1 and the microtubule-destabilizing protein SCG10 (STMN2). It may play a role in TNF-induced cell death and neuronal differentiation. BRI3 was found to inhibit the various processing of amyloid precursor protein (APP) by blocking the access of alpha- and beta-secretases to APP, competitive inhibition of APP processing by BRI3 may provide a new approach to Alzheimer disease (AD) therapy and prevention.

Storage

Storage:

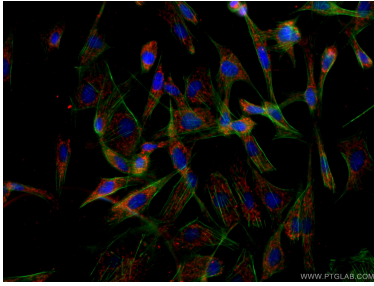
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

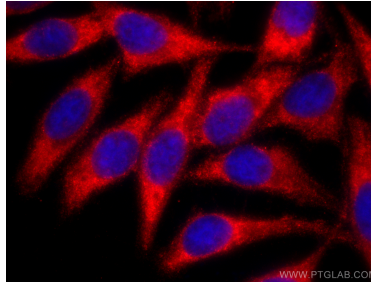
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed MDCK cells using the CoraLite® 594-conjugated version of this antibody, CL594-60095 (ITM2C antibody), at dilution of 1:100.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® 594 ITM2C antibody (CL594-60095, Clone: 2E8G11) at dilution of 1:200.