

# ITM2C Monoclonal antibody, PBS Only

Catalog Number: 60095-1-PBS

## Basic Information

<b>Catalog Number:</b> 60095-1-PBS	<b>GenBank Accession Number:</b> BC025742	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 81618	<b>CloneNo.:</b> 2E8G11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9NQX7	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> integral membrane protein 2C	
<b>Immunogen Catalog Number:</b> AG4409	<b>Calculated MW:</b> 230aa,26 kDa; 267aa,30 kDa	
	<b>Observed MW:</b> 35 kDa	

## Applications

**Tested Applications:**  
IF, Indirect ELISA

**Species Specificity:**  
human

## 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 -80°C.

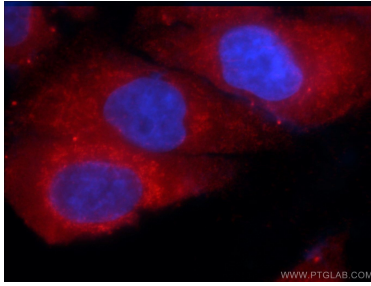
**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Immunofluorescent analysis of HepG2 cells using 60095-1-Ig (ITM2C antibody) at dilution of 1:50 and Rhodamine-Goat anti-Mouse IgG. This data was developed using the same antibody clone with 60095-1-PBS in a different storage buffer formulation.