

For Research Use Only

# ITM2C Polyclonal antibody

Catalog Number: 13601-1-AP



## Basic Information

<b>Catalog Number:</b> 13601-1-AP	<b>GenBank Accession Number:</b> BC025742	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop and 193 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 81618	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> integral membrane protein 2C	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 230aa,26 kDa; 267aa,30 kDa	
<b>Immunogen Catalog Number:</b> AG3876	<b>Observed MW:</b> 30 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : human colon tissue,
<b>Species Specificity:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

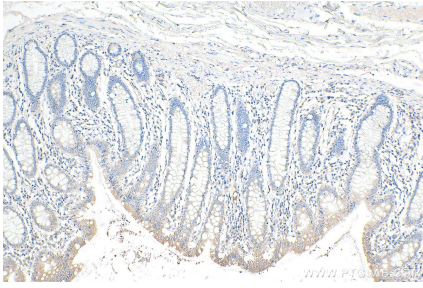
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 13601-1-AP (ITM2C antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).