

For Research Use Only

ITPR1-Specific Recombinant antibody

Catalog Number: 85101-1-RR



Basic Information

Catalog Number:

85101-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001099952

GeneID (NCBI):

3708

UNIPROT ID:

Q14643

Full Name:

inositol 1,4,5-trisphosphate receptor, type 1

Calculated MW:

314 kDa

Observed MW:

290-300 kDa

Purification Method:

Protein A purification

CloneNo.:

242274B10

Recommended Dilutions:

WB: 1:5000-1:50000

IHC: 1:200-1:800

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : SH-SY5Y cells, HeLa cells, L02 cells, mouse brain tissue, rat brain tissue

IHC : mouse brain tissue,

Background Information

ITPR1, also named as INSP3R1 and IP3R, belongs to the InsP3 receptor family. It is a receptor for inositol 1,4,5-trisphosphate which is a second messenger that mediates the release of intracellular calcium. Defects in ITPR1 are the cause of spinocerebellar ataxia type 15 (SCA15). The antibody has no cross reaction with ITPR2 and ITPR3.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

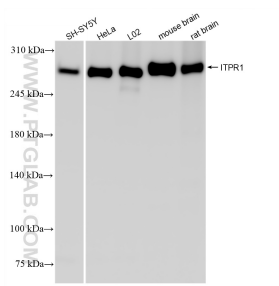
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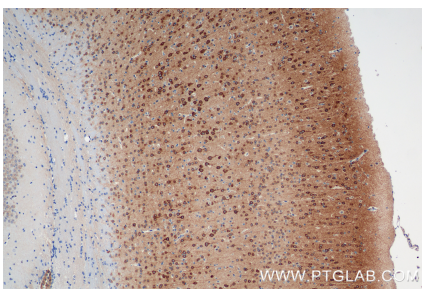
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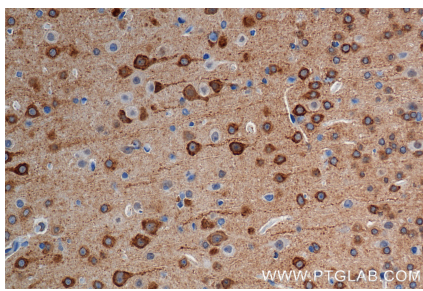
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85101-1-RR (ITPR1-specific antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 85101-1-RR (ITPR1-Specific antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 85101-1-RR (ITPR1-Specific antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).