

For Research Use Only

# ITPR3 Polyclonal antibody

Catalog Number: 20729-1-AP

1 Publications



## Basic Information

Catalog Number:

20729-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_002224

GeneID (NCBI):

3710

UNIPROT ID:

Q14573

Full Name:

inositol 1,4,5-triphosphate receptor, type 3

Calculated MW:

304 kDa

Observed MW:

250-300 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

**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 : HeLa cells,

IHC : mouse colon tissue, mouse small intestine tissue

## Background Information

ITPRs family have three members: ITPR1, ITPR2 and ITPR3. For ITPR3, it is associated with cervical squamous cell carcinoma, glioblastoma, cholangiocarcinoma and other cancers. Inositol 1,4, 5-triphosphate receptor type 3 (ITPR3) was found to be apical-located in bile duct cells, and disruption of lipid raft in the segregated bile duct unit (IBDU) redistributes ITPR3 and impairs Ca<sup>2+</sup> waves. (PMID: 35580861, PMID:35852334)

## Notable Publications

Author	Pubmed ID	Journal	Application
Dekai Wang	39426490	Mol Cell Endocrinol	WB

## 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

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

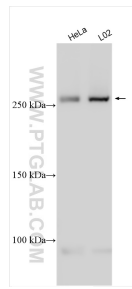
T: 4006900926

E: Proteintech-CN@ptglab.com

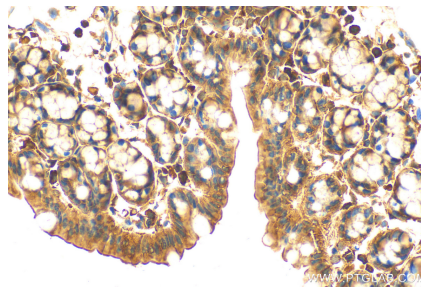
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20729-1-AP (ITPR3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 20729-1-AP (ITPR3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).