

For Research Use Only

# ITPR3 Polyclonal antibody, PBS Only

Catalog Number:20729-1-PBS



## Basic Information

**Catalog Number:**

20729-1-PBS

**Size:**

100ug , Concentration: 1 mg/ml by Nanodrop;

**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

## Applications

**Tested Applications:**

WB, IHC, Indirect ELISA

**Species Specificity:**

human, mouse

## 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)

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

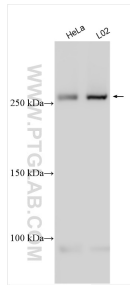
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## Selected Validation Data



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. This data was developed using the same antibody clone with 20729-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 20729-1-AP (ITPR3 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20729-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 20729-1-AP (ITPR3 antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20729-1-PBS in a different storage buffer formulation.