For Research Use Only

ITPR3 Polyclonal antibody

Catalog Number:20729-1-AP 1 Publications

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Basic Information

Catalog Number:
20729-1-AP

Size:
150ul , Concentration: 500 ug/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

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 Ca2+ 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

*** 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
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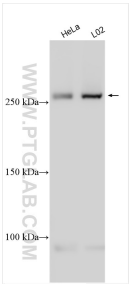
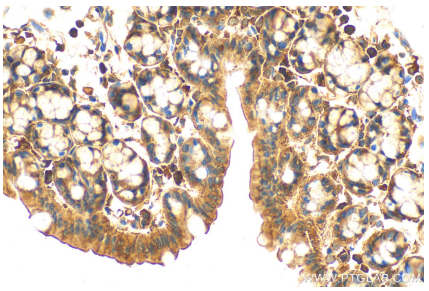
Selected Validation Data



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).