

# ITPR3 Rabbit pAb

Catalog No.: A12794 **3 Publications**

## Basic Information

### Observed MW

304kDa

### Calculated MW

304kDa

### Category

Primary antibody

### Applications

WB,IF/ICC,IP,ELISA

### Cross-Reactivity

Human, Mouse

## Background

This gene encodes a receptor for inositol 1,4,5-trisphosphate, a second messenger that mediates the release of intracellular calcium. The receptor contains a calcium channel at the C-terminus and the ligand-binding site at the N-terminus. Knockout studies in mice suggest that type 2 and type 3 inositol 1,4,5-trisphosphate receptors play a key role in exocrine secretion underlying energy metabolism and growth.

## Recommended Dilutions

**WB** 1:1000 - 1:5000

**IF/ICC** 1:50 - 1:200

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements.

## Contact

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## Immunogen Information

### Gene ID

3710

### Swiss Prot

Q14573

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

IP3R; CMT1J; IP3R3; ITPR3

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

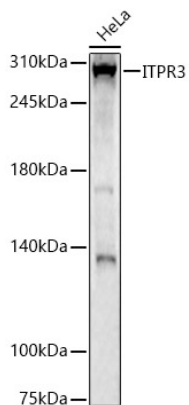
Affinity purification

### Storage

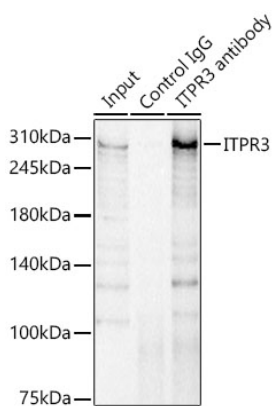
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

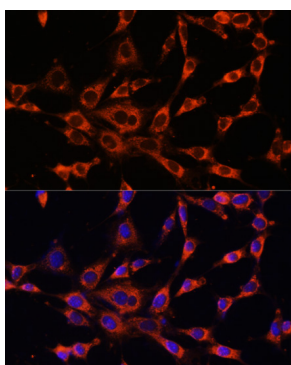
## Validation Data



Western blot analysis of lysates from HeLa cells, using ITPR3 Rabbit pAb (A12794) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg ITPR3 antibody (A12794). Western blot was performed from the immunoprecipitate using ITPR3 antibody (A12794) at a dilution of 1:1000.



Immunofluorescence analysis of NIH-3T3 cells using ITPR3 Rabbit pAb (A12794) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.