

ITPR3 Rabbit pAb

Catalog No.: A12794

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.

Immunogen Information

Gene ID

3710

Swiss Prot

Q14573

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1630-1870 of human ITPR3 (NP_002215.2).

Synonyms

IP3R; CMT1J; IP3R3; ITPR3

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

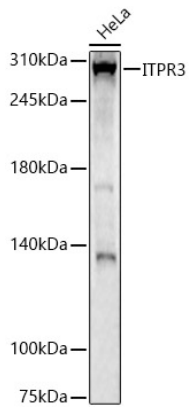
Affinity purification

Storage

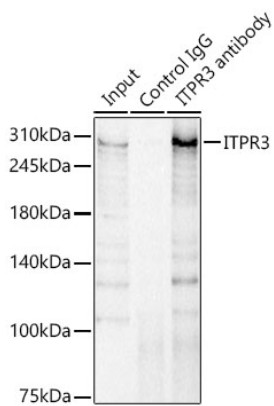
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

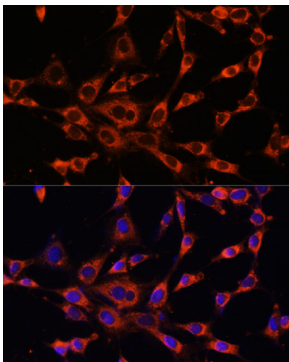
Validation Data



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.