

**ARG58886**  
anti-ITPR3 / IP3R3 antibodyPackage: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes ITPR3 / IP3R3
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ITPR3 / IP3R3
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1630-1870 of Human ITPR3 / IP3R3 (NP_002215.2).
Conjugation	Un-conjugated
Alternate Names	IP3R; Type 3 inositol 1,4,5-trisphosphate receptor; Inositol 1,4,5-trisphosphate receptor type 3; Type 3 InsP3 receptor; InsP3R3; IP3R 3; IP3 receptor isoform 3; IP3R3

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IP	Assay-dependent
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	LO2	
Observed Size	280 kDa	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note**

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Gene Symbol	ITPR3
Gene Full Name	inositol 1,4,5-trisphosphate receptor, type 3
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. [provided by RefSeq, Aug 2010]
Function	Receptor for inositol 1,4,5-trisphosphate, a second messenger that mediates the release of intracellular calcium. [UniProt]
Calculated Mw	304 kDa
PTM	Phosphorylated on tyrosine residues. Phosphorylated by AKT1 on serine and/or threonine residues (By similarity). [UniProt]
Cellular Localization	Endoplasmic reticulum membrane, Multi-pass membrane protein. [UniProt]

## Images

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LO2

ARG58886 anti-ITPR3 / IP3R3 antibody WB image

Western blot: 25 µg of LO2 cell lysate stained with ARG58886 anti-ITPR3 / IP3R3 antibody at 1:3000 dilution.