Datasheet for ABIN1397477

# anti-ITPR3 antibody (AA 21-120) (Alexa Fluor 350)

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## Overview

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| Quantity: | 100 µL |
| Target: | ITPR3 |
| Binding Specificity: | AA 21-120 |
| Reactivity: | Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ITPR3 antibody is conjugated to Alexa Fluor 350 |
| Application: | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)) |

## Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human ITPR3 |
| Isotype: | IgG |
| Cross-Reactivity: | Mouse |
| Predicted Reactivity: | Human,Rat,Dog,Cow,Horse,Chicken,Rabbit |
| Purification: | Purified by Protein A. |

## Target Details

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|---|---|
| Target: | ITPR3 |
| Alternative Name: | Itpr3 (ITPR3 Products) |

## Target Details

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| Background: | Synonyms: IP3R-III, IP3 receptor isoform 3, 4 antibody 5-trisphosphate receptor, 5-trisphosphate receptor type 3, FLJ36205, Inositol 1, Inositol 1,4,5 trisphosphate receptor type 3, IP3 receptor, IP3R 3, IP3R, IP3R3, ITPR 3, ITPR3, ITPR3_HUMAN, Type 3 inositol 1, Type 3 inositol 1,4,5 trisphosphate receptor, Type 3 InsP3 receptor.<br>Background: Inositol 1,4,5-triphosphate (IP3) functions as a second messenger for a myriad of extracellular stimuli including hormones, growth factors and neurotransmitters. Receptor tyrosine kinases indirectly increase the intracellular levels of IP3 through the activation of phospholipases such as phospholipase C (PLC), which convert phosphatidylinositol-4,5 bisphosphate into IP3 and diacylglycerol (DAG). The inositol 1,4,5-triphosphate receptor, IP3R, acts as an inositol triphosphate (IP3)-gated calcium release channel in a variety of cell types. Three IP3 receptor subtypes have been described and are designated IP3R-I, IP3R-II and IP3R-III. IP3R-I is the predominant IP3R subtype expressed in neuronal tissues and the central nervous system, but is also expressed at high levels in the liver. |
| Gene ID: | 3710 |
| Pathways: | Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Thyroid Hormone Synthesis, Myometrial Relaxation and Contraction, G-protein mediated Events, Interaction of EGFR with phospholipase C-gamma, BCR Signaling |

## Application Details

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| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |

## Handling

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| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |

 