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Datasheet for ABIN6943847
anti-ITPR1 antibody

Overview

| | |
|--------------|---|
| Quantity: | 100 µL |
| Target: | ITPR1 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Monoclonal |
| Conjugate: | This ITPR1 antibody is un-conjugated |
| Application: | Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| | |
|-------------------|---------------------------------|
| Immunogen: | Human IP3 receptor aa 1770-1900 |
| Clone: | 5G10 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|---|
| Target: | ITPR1 |
| Alternative Name: | ITPR1 (ITPR1 Products) |
| Background: | Synonyms: Inositol 1,4,5-trisphosphate receptor type 1, IP3 receptor isoform 1, Type 1 inositol 1,4,5-trisphosphate receptor, IP3R 1, InsP3R1, Type 1 InsP3 receptor, ITPR1, INSP3R1, IP3 |

Target Details

Receptor.

Background: Intracellular channel that mediates calcium release from the endoplasmic reticulum following stimulation by inositol 1,4,5-trisphosphate. Plays a role in ER stress-induced apoptosis. Cytoplasmic calcium released from the ER triggers apoptosis by the activation of CaM kinase II, eventually leading to the activation of downstream apoptosis pathways (By similarity).

Gene ID: 3708

UniProt: [Q14643](#)

Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Thyroid Hormone Synthesis](#), [Myometrial Relaxation and Contraction](#), [Synaptic Membrane](#), [G-protein mediated Events](#), [Interaction of EGFR with phospholipase C-gamma](#)

Application Details

Application Notes: IHC-P 1:200-400

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store for 1 year at -20°C from date of shipment.

Expiry Date: 12 months