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Datasheet for ABIN5005509

anti-IP3 Receptor antibody (AA 110-160) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	IP3 Receptor (ITP-R83A)
Binding Specificity:	AA 110-160
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IP3 Receptor antibody is conjugated to Alexa Fluor 680
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human IP3 Receptor
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	IP3 Receptor (ITP-R83A)
Alternative Name:	IP3 Receptor (ITP-R83A Products)
Background:	Synonyms: ACV, CLA4, IP3R, IP3R1, SCA15, SCA16, SCA29, INSP3R1, PPP1R94, Inositol 1,4,5-trisphosphate receptor type 1, IP3 receptor isoform 1, IP3R 1, Type 1 inositol 1,4,5-

Target Details

trisphosphate receptor, Type 1 InsP3 receptor, ITPR1

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 , Thyroid Hormone Synthesis , Myometrial Relaxation and Contraction , G-protein mediated Events , Interaction of EGFR with phospholipase C-gamma

Application Details

Application Notes:	IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

Handling

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