

Product Datasheet

Anti-IP3 Receptor, Type 1 Antibody FL490 Conjugate



Overview

Catalog #	75-035-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	L24/18
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC, IHC
Species Reactivity	Canine, Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 2680-2749 (cytoplasmic carboxyl terminus) of rat type 1 IP3R (accession number P29994) produced recombinantly in E. Coli
Molecular Weight	300 kDa (varies due to glycosylation)
Cite this Antibody	Antibodies Inc Cat# 75-035-FL490, RRID: AB_2939180

Details

Target Description	Inositol 1,4,5-trisphosphate receptor type 1 or IP3 receptor type 1 (IP3R1) serves as a receptor for IP3. It is expressed in many tissues in the endoplasmic reticulum to facilitate calcium release from the ER. In brain, (IP3R1) is predominantly expressed in cerebellar Purkinje neurons.. Mutations in this gene cause spinocerebellar ataxia type 15 and spinocerebellar Ataxia 29.
Specificity	Does not recognize type 2 and type 3 IP3R's
Purification Method	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
Quality Control Tests	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
Storage	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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