



Datasheet for ABIN7043289

anti-ITPR2 antibody (C-Term, Intracellular) (Atto 594)



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1 Image

Overview

Quantity:	50 µL
Target:	ITPR2
Binding Specificity:	AA 2683-2696, C-Term, Intracellular
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITPR2 antibody is conjugated to Atto 594
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)RLGFLGSNTPHENH, corresponding to amino acid residues 2683-2696 of rat IP3R2
Isotype:	IgG
Characteristics:	Anti-IP3 Receptor-2 (ITPR2) Antibody (ABIN7043288, ABIN7044063 and ABIN7044064)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize IP3R2 from rat, mouse and human samples. \nAnti-IP3 Receptor-2 (ITPR2)-ATTO Fluor-594 Antibody (#ABIN7043289) is directly labeled with an ATTO-594 fluorescent dye. ATTO dyes are characterized by strong absorption (high extinction coefficient), high fluorescence quantum yield, and high photo-stability. The ATTO-594 fluorescent label belongs to the class of Rhodamine dyes and can be used with fluorescent equipment typically optimized to detect

Product Details

Texas Red and Alexa-594. Anti-IP3 Receptor-2 (ITPR2)-ATTO Fluor-594 Antibody has been tested in immunohistochemistry applications and is especially suited for experiments requiring simultaneous labeling of different markers.

Purification: Affinity purified on immobilized antigen.

Target Details

Target: ITPR2

Alternative Name: IP3 Receptor-2 (ITPR2) ([ITPR2 Products](#))

Background: Alternative names: IP3 Receptor-2 (ITPR2), Inositol 1,4,5-trisphosphate receptor type 2, IP3R2, InsP3R2, IP3 receptor isoform 2

Gene ID: 81678

NCBI Accession: [NM_002223](#)

UniProt: [P29995](#)

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](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: 50 µL double distilled water (DDW).

Concentration: 1 mg/mL

Buffer: Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.

Preservative: Sodium azide

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

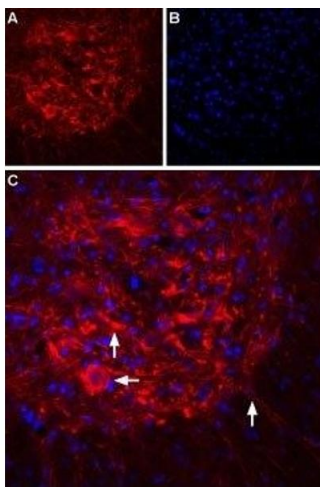
Handling

Storage: RT, 4 °C, -20 °C

Storage Comment: Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.

Storage after reconstitution: The reconstituted solution can be stored at 4°C, protected from the light, for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

Images



Immunohistochemistry

Image 1. Expression of IP3R2 in rat spinal cord - Immunohistochemical staining of rat spinal cord using Anti-IP3 Receptor-2 (ITPR2)-ATTO Fluor-594 Antibody (ABIN7043289), (1:60). A. IP3R2 immunoreactivity (red) appears in neuronal soma (horizontal arrows) and processes (vertical arrows). B. Nuclear staining using DAPI as the counterstain (blue). C. Merged images of A and B.