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# Datasheet for ABIN7043288 anti-ITPR2 antibody (C-Term, Intracellular)



2 Images



Quantity:	25 µL
Target:	ITPR2
Binding Specificity:	AA 2683-2696, C-Term, Intracellular
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITPR2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF)
Product Details	
Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)RLGFLGSNTPHENH, corresponding to amino acid residues 2683- 2696 of rat IP3R2
lsotype:	lgG
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.
Purification:	Affinity purified on immobilized antigen.

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### 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

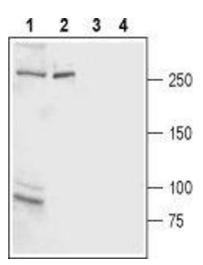
## Application Details

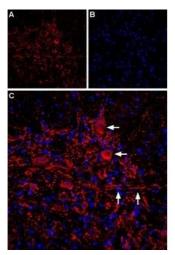
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	25 $\mu\text{L}$ , 50 $\mu\text{L}$ or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 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.
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 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).

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#### **Western Blotting**

**Image 1.** Western blot analysis of rat brain membrane (lanes 1 and 3) and rat basophilic leukemia (RBL) cell line lysate (lanes 2 and 4): - 1,2. Anti-IP3 Receptor-2 (ITPR2) Antibody (ABIN7043288, ABIN7044063 and ABIN7044064), (1:200).3,4. Anti-IP3 Receptor-2 (ITPR2) Antibody, preincubated with IP3 Receptor-2/ITPR2 Blocking Peptide (#BLP-CC116).

#### Immunohistochemistry

**Image 2.** Expression of IP3R2 in rat spinal cord -Immunohistochemical staining of IP3R2 in rat spinal cord sections using Anti-IP3 Receptor-2 (ITPR2) Antibody (ABIN7043288, ABIN7044063 and ABIN7044064). 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 image of A and B.

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