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Datasheet for ABIN7101690

## anti-ITPR1 antibody

### 5 Images

#### Overview

Quantity:	20 µL
Target:	ITPR1
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This ITPR1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF)

#### Product Details

Immunogen:	A synthesized peptide derived from human IP3R
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

#### Target Details

Target:	ITPR1
Alternative Name:	ITPR1 ( <a href="#">ITPR1 Products</a> )
Background:	This gene encodes an intracellular receptor for inositol 1,4,5-trisphosphate. Upon stimulation by inositol 1,4,5-trisphosphate, this receptor mediates calcium release from the endoplasmic

## Target Details

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reticulum. Mutations in this gene cause spinocerebellar ataxia type 15, a disease associated with an heterogeneous group of cerebellar disorders. Multiple transcript variants have been identified for this gene. [provided by RefSeq, Nov 2009],ACV, CLA4, INSP3R1, IP3R, IP3R1, PPP1R94, SCA15, SCA16, SCA29,B Cell Receptor Signaling Pathway,Calcium Signaling,Cancer,Endocrine & Metabolism,G protein signaling,Immunology & Inflammation,Neurodegenerative Diseases,Neuroscience,Phospholipase Signaling Pathway,Protein phosphorylation,Signal Transduction,T Cell Receptor Signaling Pathway,ITPR1

Molecular Weight: 314 kDa

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

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Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200

Restrictions: For Research Use only

## Handling

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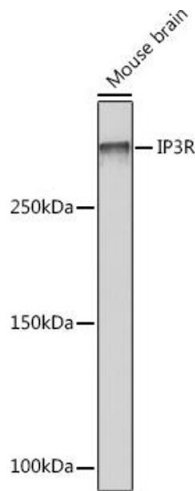
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

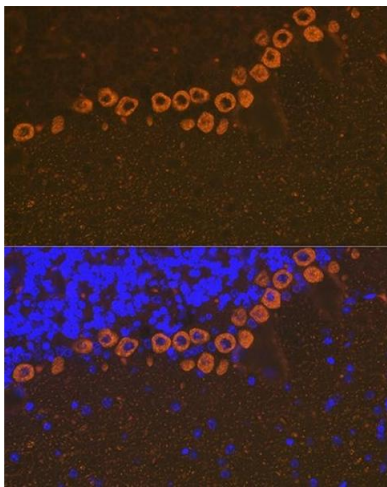
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



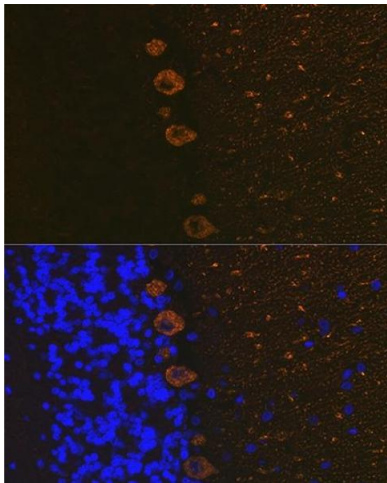
### Western Blotting

**Image 1.** Western blot analysis of extracts of Mouse brain, using IP3R Rabbit mAb (ABIN1679064, ABIN3018927, ABIN3018928 and ABIN7101690) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



### Immunofluorescence

**Image 2.** Immunofluorescence analysis of mouse brain using IP3R Rabbit mAb (ABIN1679064, ABIN3018927, ABIN3018928 and ABIN7101690) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of rat brain using IP3R Rabbit mAb (ABIN1679064, ABIN3018927, ABIN3018928 and ABIN7101690) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7101690.