

IP3R Rabbit pAb

Catalog No.: A7905SP **7 Publications**

Basic Information

Observed MW

314 kDa

Calculated MW

307-314 kDa

Category

Primary antibody

Applications

WB,IP,IF-P,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

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 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.

Recommended Dilutions

WB 1:1000 - 1:3000

IP 0.5 µg - 4 µg antibody for
200 µg - 400 µg extracts of
whole cells

IF-P 1:200 - 1:800

IHC-P 1:100 - 1:400

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on your
specific assay
requirements. For high-ratio
antibody dilutions
(≥1:10000) a sequential
dilution method is strongly
recommended to ensure
measurement accuracy.

Immunogen Information

Gene ID

3708

Swiss Prot

Q14643

Immunogen

This information is considered to be commercially sensitive.

Synonyms

ACV; CLA4; IP3R; IP3R1; SCA15; SCA16; SCA29; INSP3R1; PPP1R94

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C

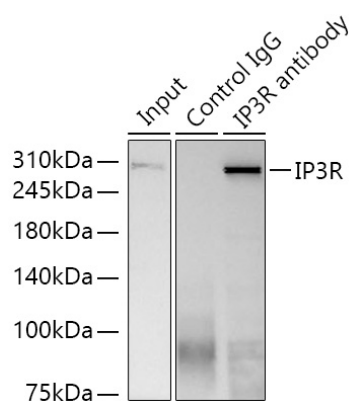
Contact

☎ | 400-999-6126

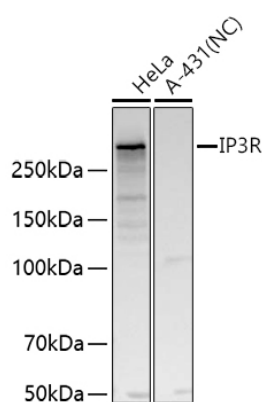
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



Immunoprecipitation of IP3R from 300 µg extracts of SH-SY5Y cells was performed using 3 µg of IP3R Rabbit pAb (A7905SP). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using IP3R Rabbit pAb (A7905SP) at a dilution of 1:10000.



Western blot analysis of various lysates using IP3R Rabbit pAb (A7905SP) at 1:3000 dilution incubated overnight at 4°C.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

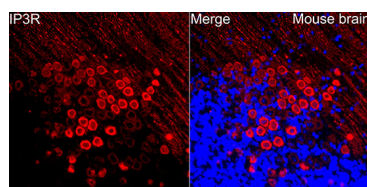
Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

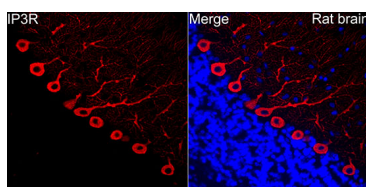
Detection: ECL Basic Kit (RM00020).

Negative control (NC): A-431.

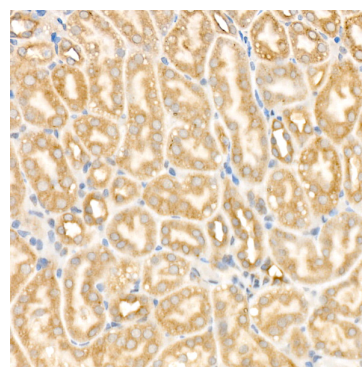
Exposure time: 60 s.



Confocal imaging of paraffin-embedded Mouse brain tissue using IP3R Rabbit pAb (A7905SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

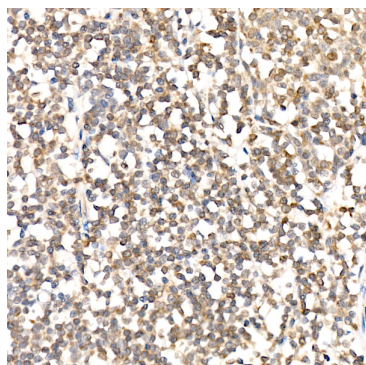


Confocal imaging of paraffin-embedded Rat brain tissue using IP3R Rabbit pAb (A7905SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

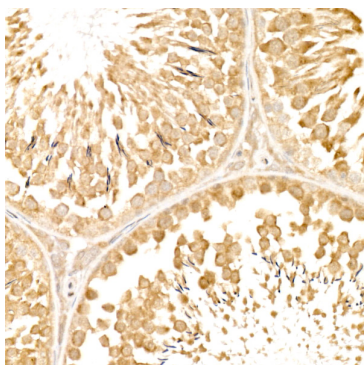


Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using IP3R Rabbit pAb (A7905SP) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using IP3R Rabbit pAb (A7905SP) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using IP3R Rabbit pAb (A7905SP) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.