IP3R Rabbit pAb

Catalog No.: A21471 3 Publications



Basic Information

Observed MW

320kDa/

Calculated MW

314kDa

Category

Primary antibody

Applications

WB,IP,IF-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 - 1:5000

IP 0.5ug-4ug antibody for 400ug-600ug extracts of

whole cells

IF-P 1:50 - 1:200

ELISA Recommended starting

concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene ID3708

Swiss Prot
Q14643

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

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

Contact

6		400-999-6126
\bowtie		cn.market@abclonal.com.cn
\odot	ī	www.abclonal.com.cn

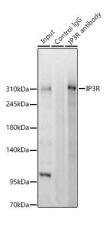
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

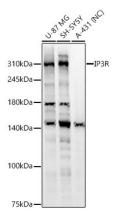
Storage

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

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Immunoprecipitation of IP3R from 500 μ g extracts of SH-SY5Y cells was performed using 2 μ g of IP3R Rabbit pAb (A21471). Rabbit IgG isotype control (AC042) 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 (A21471) at a dilution of 1:2500.



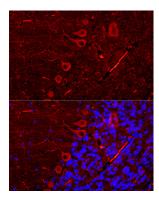
Western blot analysis of various lysates using IP3R Rabbit pAb (A21471) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

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: 10s.



Perform microwave antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol. Immunofluorescence analysis of paraffin-embedded Rat Brain using IP3R Rabbit pAb (A21471) at dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.