

IP3R Rabbit mAb

Catalog No.: A4436

Recombinant

5 Publications

Basic Information

Observed MW

320kDa

Calculated MW

314kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Mouse, Rat

CloneNo number

ARC1007

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	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

3708

Swiss Prot

Q14643

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 2200-2300 of human IP3R (Q14643).

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

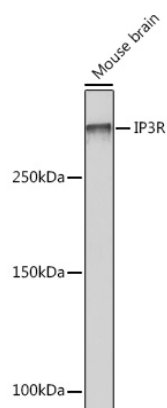
Affinity purification

Storage

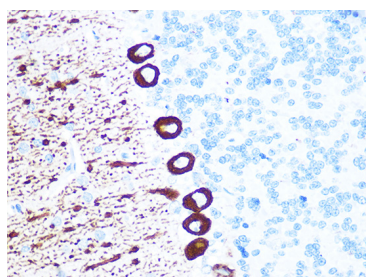
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

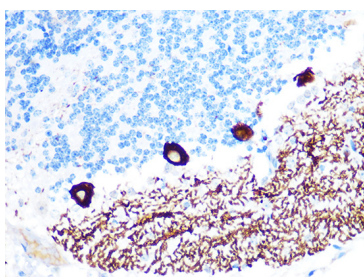
Validation Data



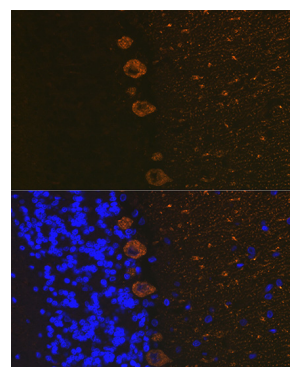
Western blot analysis of extracts of Mouse brain, using IP3R Rabbit mAb (A4436) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



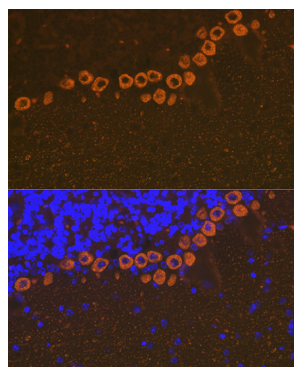
Immunohistochemistry analysis of paraffin-embedded rat brain using IP3R Rabbit mAb (A4436) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse brain using IP3R Rabbit mAb (A4436) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunofluorescence analysis of rat brain using IP3R Rabbit mAb (A4436) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse brain using IP3R Rabbit mAb (A4436) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.