IP3R Rabbit mAb

Catalog No.: A23760 Recombinant 1 Publications



Basic Information

Observed MW

310kDa

Calculated MW

306-313kDa

Category

Primary antibody

Applications

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

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC61062

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 0.5μg-4μg antibody for 200μg-400μg extracts of

whole cells

IF-P 1:200 - 1:800

IHC-P 1:200 - 1:800

ELISA Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

Contact

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\bowtie	Τ	cn.market@abclonal.com.cn
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Immunogen Information

Gene ID3708

Swiss Prot
Q14643

Immunogen

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

Synonyms

ITPR1; ACV; CLA4; INSP3R1; IP3R; IP3R1; PPP1R94; SCA15; SCA16; SCA29; inositol 1; 4; 5-trisphosphate receptor type 1

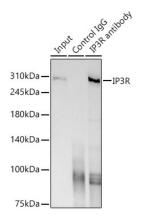
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

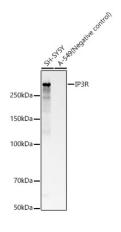
Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Immunoprecipitation analysis of 300ug extracts from SH-SY5Y cells using 3ug IP3R Rabbit mAb (A23760). Western blot was performed from the immunoprecipitate using IP3R Rabbit mAb (A23760) at a dilition of 1:10000.



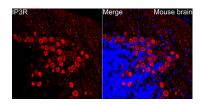
Western blot analysis of various lysates, using IP3R Rabbit mAb (A23760) at 1:3000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

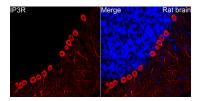
Lysates/proteins: 25µg per lane.

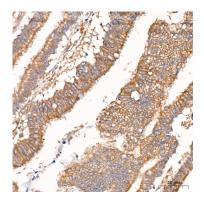
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60s.





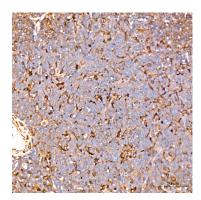


Perform microwave antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol. Immunofluorescence analysis of paraffin-embedded mouse brain using IP3R Rabbit mAb (A23760) at dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

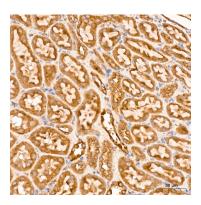
Perform microwave antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.Immunofluorescence analysis of paraffin-embedded rat brain using IP3R Rabbit mAb (A23760) at dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (A5007) at 1:500 dilution. Blue: DAPI for nuclear staining.

Immunohistochemistry analysis of paraffinembedded Human colon carcinoma tissue using IP3R Rabbit mAb (A23760) 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 paraffinembedded Mouse spleen tissue using IP3R Rabbit mAb (A23760) 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 paraffinembedded Rat kidney tissue using IP3R Rabbit mAb (A23760) 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.