A23760

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IP3R Rabbit mAb

Catalog No.: A23760 Recombinant 3 Publications

Basic Information

Observed MW
310kDa

Calculated MW
306-313kDa

Category
SMab Recombinant Monoclonal Antibody

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

Cross-Reactivity
Human,Mouse,Rat

Clone 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.

Immunogen Information

Gene ID
3708

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

Source
Rabbit

Isotype
IgG

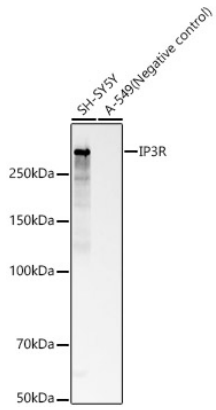
Purification
Affinity purification

Storage
Store at -20℃

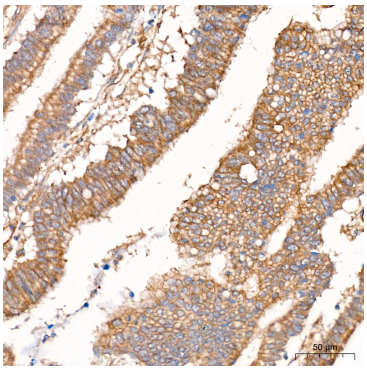
Contact

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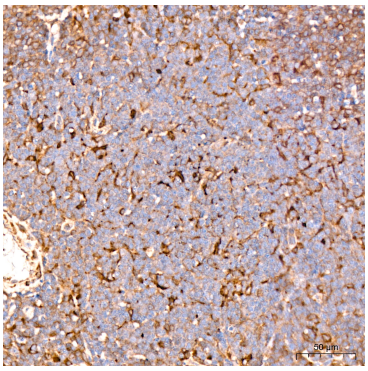
Validation Data



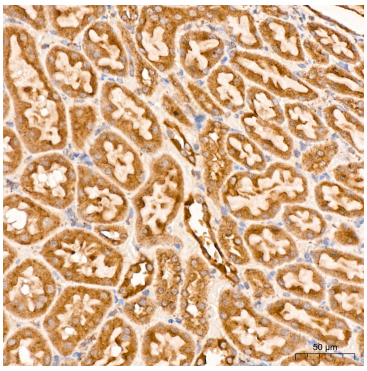
Western blot analysis of various lysates, using IP3R Rabbit mAb (A23760) at 1:3000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.



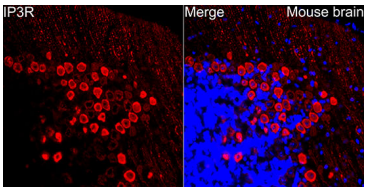
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using IP3R Rabbit mAb (A23760) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



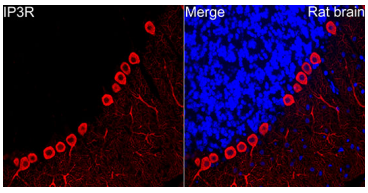
Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using IP3R Rabbit mAb (A23760) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded 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.



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:

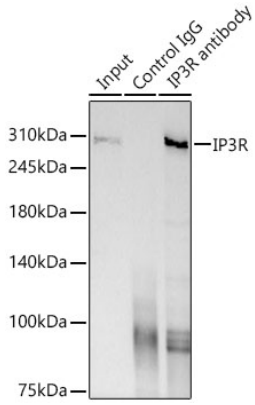


Perform microwave antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.Immunofluorescence analysis of paraffin-embedded rat brain using IP3R Rabbit mAb (A23760) at dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007)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

Validation Data

DAPI for nuclear staining.

DAPI for nuclear staining.



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.