

## IP3R Monoclonal Antibody

**CAB4436**

### Description

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This IP3R Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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**SKU:** CAB4436

**Contents:** 20 µL, 100 µL

Bradford Reagent: 1 vial (2ml)

**Category:** Monoclonal Antibody

**Synonyms:** ACV, CLA4, IP3R, IP3R1, SCA15, SCA16, SCA29, INSP3R1, PPP1R94

**Clone:** ARC1007

**Applications:** WB IHC-P ELISA IF-P

**Conjugation:** Unconjugated

**Reactivity:** Mouse, Rat

### Antibody Data

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**Gene ID:** 3708

**Uniprot:** AB\_2863274

**Host Species:** Rabbit

**Purification:** Affinity purification

**Observed MW:** 320kDa

**Calculated MW:** 314kDa

## Preparation & Storage

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**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.

Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** Mouse brain, Rat brain

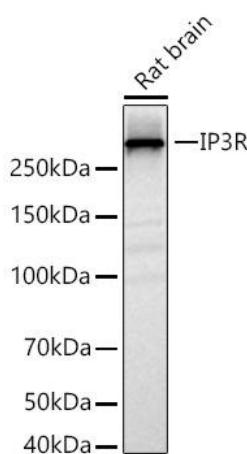
**Recommended Dilutions:**

<b>WB</b>	1:1000 - 1:2000
<b>IF-P</b>	1:100 - 1:1000
<b>IHC-P</b>	1:200 - 1:2000
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

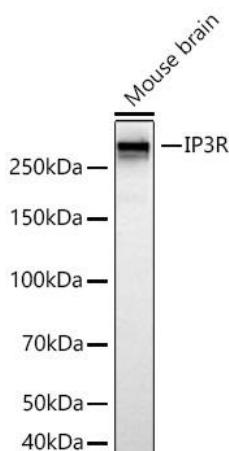
**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data

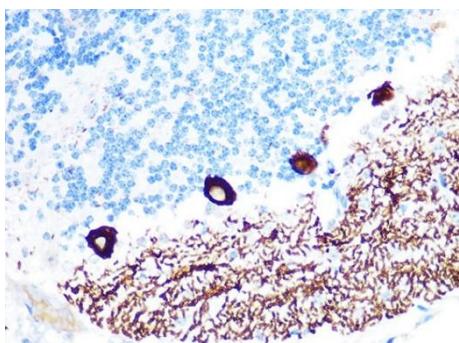
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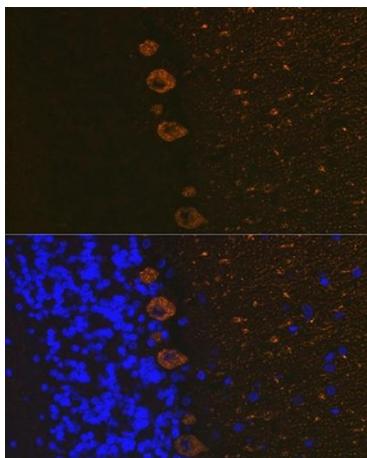
Western blot analysis of lysates from Rat brain using IP3R Rabbit mAb (CAB4436) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 45s.



Western blot analysis of lysates from Mouse brain using IP3R Rabbit mAb (CAB4436) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 45s.



Immunohistochemistry analysis of paraffin-embedded Mouse brain using IP3R Rabbit mAb (CAB4436) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of paraffin-embedded rat brain using IP3R Rabbit mAb (CAB4436) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.