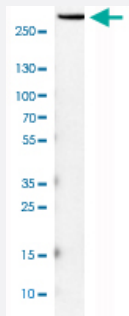


# ITPR1 polyclonal antibody

Catalog # PAB31450

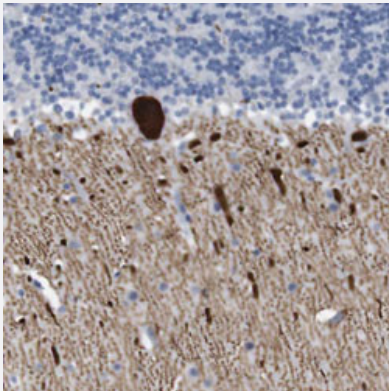
Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western Blot analysis of U-87 MG cell lysate with ITPR1 polyclonal antibody (Cat # PAB31450).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebellum with ITPR1 polyclonal antibody (Cat # PAB31450) shows strong cytoplasmic positivity in Purkinje cells.

## Specification

|                            |                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against partial recombinant human ITPR1.            |
| <b>Immunogen</b>           | Recombinant protein corresponding to human ITPR1.                                     |
| <b>Sequence</b>            | KDDFILEVDRLPNETAVPETGESLASEFLFSDVCRVESGENCSPAPREELVPAEETEQDKEHT<br>CETLLMCIVTVLSHGLRS |
| <b>Host</b>                | Rabbit                                                                                |
| <b>Reactivity</b>          | Human                                                                                 |

|                     |                                                                                                                                                                                        |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form                | Liquid                                                                                                                                                                                 |
| Purification        | Antigen affinity purification                                                                                                                                                          |
| Isotype             | IgG                                                                                                                                                                                    |
| Recommend Usage     | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500)<br>Western Blot (1:100-1:250)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).                                                                                                                                     |
| Storage Instruction | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                                                                 |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                 |

## Applications

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## Gene Info — ITPR1

|                    |                                               |
|--------------------|-----------------------------------------------|
| Entrez GeneID      | <a href="#">3708</a>                          |
| Protein Accession# | <a href="#">Q14643</a>                        |
| Gene Name          | ITPR1                                         |
| Gene Alias         | INSP3R1, IP3R, IP3R1, SCA15, SCA16            |
| Gene Description   | inositol 1,4,5-triphosphate receptor, type 1  |
| Omim ID            | <a href="#">147265</a> <a href="#">606658</a> |
| Gene Ontology      | <a href="#">Hyperlink</a>                     |
| Gene Summary       | inositol 1                                    |
| Other Designations | -                                             |

## Pathway

- [Calcium signaling pathway](#)
- [Gap junction](#)
- [GnRH signaling pathway](#)
- [Long-term depression](#)
- [Long-term potentiation](#)
- [Phosphatidylinositol signaling system](#)
- [Vascular smooth muscle contraction](#)

## Disease

- [Asthma](#)
- [Genetic Predisposition to Disease](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)