

# Phospho-IP3R-S1756 Rabbit pAb

Catalog No.: AP1224

## Basic Information

### Observed MW

320kDa

### Calculated MW

314kDa

### Category

Primary antibody

### Applications

WB,ELISA

### Cross-Reactivity

Human

## 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 a heterogeneous group of cerebellar disorders. Multiple transcript variants have been identified for this gene.

## Recommended Dilutions

**WB** 1:100 - 1:500

**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

A synthetic phosphorylated peptide around S1756 of human ITPR1 (XP\_011531986.1).

### Synonyms

ACV; CLA4; IP3R; IP3R1; SCA15; SCA16; SCA29; INSP3R1; PPP1R94; Phospho-IP3R-S1756

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

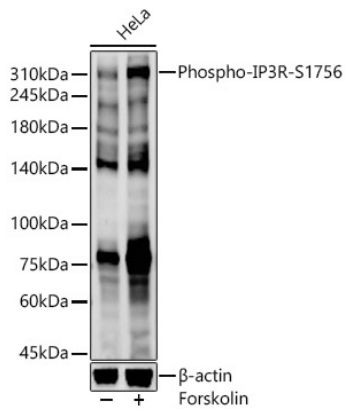
### Storage

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

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

## Validation Data

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Western blot analysis of various lysates, using Phospho-IP3R-S1756 Rabbit pAb (AP1224) at 1:400 dilution. HeLa cells were treated by Forskolin (10  $\mu$ M) at 37°C for 1 hour after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.