Product Name: IP3 Receptor (13U15) Rabbit Monoclonal Antibody
Catalog #: AMRe12697

Summary

Production Name	IP3 Receptor (13U15) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	ITPR1
Alternative Names	5-trisphosphate receptor; Inositol 1; InsP3R1; IP3; IP3 receptor; IP3R 1; IP3R; IP3R1; Itpr1; SCA15; SCA16; SCA29;
Gene ID	3708.0
SwissProt ID	Q14643.

Application

Dilution Ratio	WB 1:500-1:2000
Molecular Weight	314kDa

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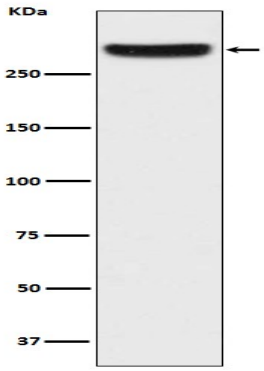
Background

Intracellular channel that mediates calcium release from the endoplasmic reticulum following stimulation by inositol 1,4,5-trisphosphate. Intracellular channel that mediates calcium release from the endoplasmic reticulum following stimulation by inositol 1,4,5- trisphosphate (PubMed:27108797). Involved in the regulation of epithelial secretion of electrolytes and fluid through the interaction with AHCYL1 (By similarity). Plays a role in ER stress-induced apoptosis. Cytoplasmic calcium released from the ER triggers apoptosis by the activation of CaM kinase II, eventually leading to the activation of downstream apoptosis pathways (By similarity).

Research Area

Image Data



Western blot analysis of IP3 Receptor expression in HeLa cell lysate.

Note

For research use only.