



## IP3R-I rabbit pAb

Cat No.:ES5965

For research use only

### Overview

<b>Product Name</b>	IP3R-I rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human InsP3R1. AA range:1566-1615
<b>Specificity</b>	IP3R-I Polyclonal Antibody detects endogenous levels of IP3R-I protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Inositol 1,4,5-trisphosphate receptor type 1
<b>Gene Name</b>	ITPR1
<b>Cellular localization</b>	Endoplasmic reticulum membrane ; Multi-pass membrane protein . Cytoplasmic vesicle, secretory vesicle membrane ; Multi-pass membrane protein . Cytoplasm, perinuclear region . Endoplasmic reticulum and secretory granules (By similarity) .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	
<b>Human Gene ID</b>	3708
<b>Human Swiss-Prot Number</b>	Q14643
<b>Alternative Names</b>	ITPR1; INSP3R1; Inositol 1; 4,5-trisphosphate receptor type 1; IP3 receptor isoform 1; IP3R 1; InsP3R1; Type 1 inositol 1,4,5-trisphosphate





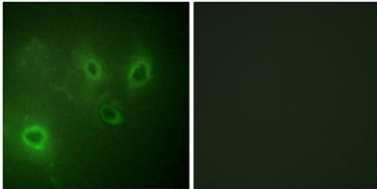
## Background

receptor; Type 1 InsP3 receptor

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.

[provided by RefSeq, Nov 2009],

Immunofluorescence analysis of COS7 cells, using InsP3R1 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human cervix carcinoma tissue, using InsP3R1 Antibody. The picture on the right is blocked with the synthesized peptide.

