



IP3R-I (phospho Ser1598) rabbit pAb

Cat No.:ES5964

For research use only

Overview

Product Name	IP3R-I (phospho Ser1598) rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Inositol 1,4,5-trisphosphate R1 around the phosphorylation site of Ser1598/1588. AA range:1566-1615
Specificity	Phospho-IP3R-I (S1598) Polyclonal Antibody detects endogenous levels of IP3R-I protein only when phosphorylated at S1598.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Inositol 1,4,5-trisphosphate receptor type 1
Gene Name	ITPR1
Cellular localization	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) .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	3708
Human Swiss-Prot Number	Q14643
Alternative Names	ITPR1; INSP3R1; Inositol 1; 4,5-trisphosphate

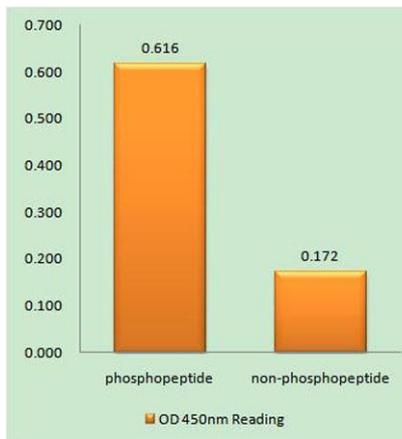




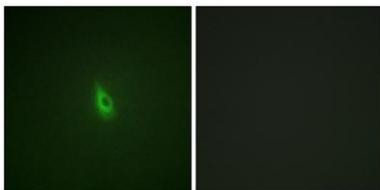
Background

receptor type 1; IP3 receptor isoform 1; IP3R 1; InsP3R1; Type 1 inositol 1,4,5-trisphosphate 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 an heterogeneous group of cerebellar disorders. Multiple transcript variants have been identified for this gene. [provided by RefSeq, Nov 2009],



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Inositol 1,4,5-trisphosphate R1 (Phospho-Ser1598/1588) Antibody



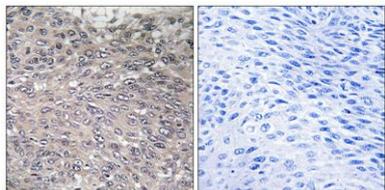
Immunofluorescence analysis of A549 cells, using Inositol 1, 4, 5-trisphosphate R1 (Phospho-Ser1598/1588) Antibody. The picture on the right is blocked with the phospho peptide.





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Immunohistochemistry analysis of paraffin-embedded human cervix carcinoma, using Inositol 1, 4, 5-trisphosphate R1 (Phospho-Ser1598/1588) Antibody. The picture on the right is blocked with the phospho peptide.



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