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anti-ITPR1 antibody (pSer1756, pSer1764)



Image



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Overview	
Quantity:	100 μL
Target:	ITPR1
Binding Specificity:	pSer1756, pSer1764
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITPR1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)
Product Details	
Immunogen:	A synthesized peptide derived from RAT IP3 Receptor(P29994) around the phosphorylation site
	of Ser1756. This site is equivalent to Ser1764 in the human IP3 receptor sequence.
Isotype:	IgG
Specificity:	Phospho-IP3 Receptor (Ser1756) Antibody detects endogenous levels of IP3 Receptor only
	when phosphorylated at Ser1756.
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential
	chromatography on phospho- and non-phospho-peptide affinity columns.
Target Details	
Target:	ITPR1
Alternative Name:	ITPR1 (ITPR1 Products)

Target Details

Background:	Description: 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). Gene: ITPR1
Molecular Weight:	314kDa
Gene ID:	3708
UniProt:	Q14643
Pathways:	Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Thyroid Hormone Synthesis, Myometrial Relaxation and Contraction, Synaptic Membrane, G-protein mediated Events, Interaction of EGFR with phospholipase C-gamma
Application Details	
Application Notes:	WB 1:1000-3000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Store at -20 °C. Stable for 12 months from date of receipt.

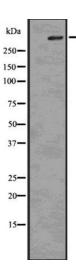
-20 °C

12 months

Storage:

Expiry Date:

Storage Comment:



Western Blotting

Image 1. Western blot analysis of Phospho-IP3 Receptor (Ser1756) using HeLa whole cell lysates