

Immunotag™ Phospho-IP3 Receptor (Ser1756) Antibody

Antibody Specification	
Catalog No.	ITA3888
Product Description	Immunotag™ Phospho-IP3 Receptor (Ser1756) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-IP3 Receptor (Ser1756)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:1000-3000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human Phospho-IP3 Receptor (Ser1756)
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.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	ITPR1
Accession No.	Q14643
Alternate Names	4; 5-trisphosphate receptor; 5-trisphosphate receptor type 1; DKFZp313E1334; DKFZp313N1434; inositol 1 4 5 triphosphate receptor type 1; Inositol 1 4 5 trisphosphate Receptor Type 1; Inositol 1; InsP3R1; IP3; IP3 receptor; IP3 receptor isoform 1; IP3R 1; IP3R; IP3R1; ITPR 1; Itpr1; ITPR1_HUMAN; SCA15; SCA16; SCA29; Type 1 inositol 1 4 5 trisphosphate receptor; Type 1 inositol 1; Type 1 InsP3 receptor;

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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).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	314KD
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.