

Rabbit IP3 Receptor Polyclonal Antibody | anti-ITPR1 antibody

IP3 Receptor Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323715	Rabbit	Human, Mouse, Rat	Immunohistochemistry, ELISA, Western Blot

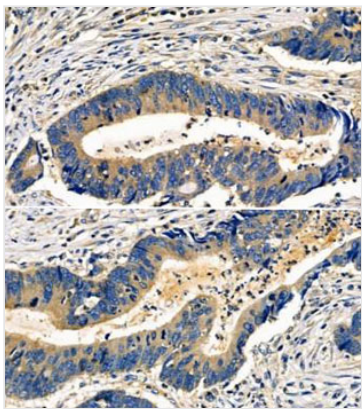
PRODUCT SYNONYMS

IP3 Receptor; Polyclonal Antibody; IP3 Receptor Antibody; 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; Itp1; ITPR1_HUMAN; SCA15; SCA16; SCA29; Type 1 inositol 1 4 5 trisphosphate receptor; Type 1 inositol 1; Type 1 InsP3 receptor; anti-ITPR1 antibody

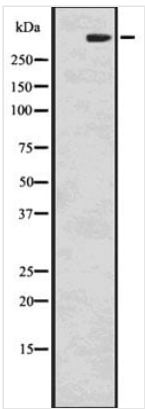
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	IP3 Receptor antibody detects endogenous levels of total IP3 Receptor
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	2710
Applicable Applications for anti-ITPR1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human IP3 Receptor, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323715 at 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis IP3 Receptor using HUVEC whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-ITPR1 antibody	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).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	269954690
NCBI GeneID	3708
NCBI Accession #	NP_001093422.2
NCBI GenBank Nucleotide #	NM_001099952.2
UniProt Accession #	Q14643; Q14660; Q99897; E7EPX7; E9PDE9
Molecular Weight	314 kDa
NCBI Official Full Name	inositol 1,4,5-trisphosphate receptor type 1 isoform 1
NCBI Official Synonym Full Names	inositol 1,4,5-trisphosphate receptor type 1
NCBI Official Symbol	ITPR1
NCBI Official Synonym Symbols	ACV; CLA4; IP3R; IP3R1; SCA15; SCA16; SCA29; INSP3R1; PPP1R94
NCBI Protein Information	inositol 1,4,5-trisphosphate receptor type 1
UniProt Protein Name	Inositol 1,4,5-trisphosphate receptor type 1
UniProt Gene Name	ITPR1
UniProt Synonym Gene Names	INSP3R1; IP3R 1; InsP3R1; Type 1 InsP3 receptor

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.