

Rabbit IP3 receptor Polyclonal Antibody | anti-IP3 antibody

IP3 receptor Antibody Affinity Purified

CATALOG # AAA75896	HOST Rabbit	REACTIVITY Bovine, Human, Monkey, Mouse, Rat	APPLICATIONS Western Blot, ELISA
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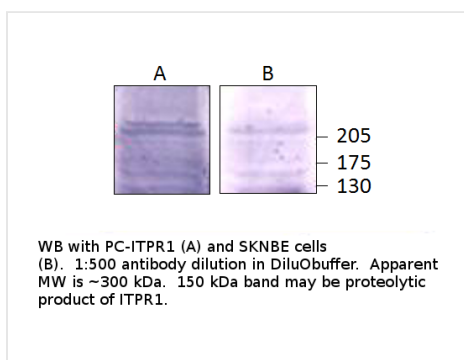
PRODUCT SYNONYMS

IP3 receptor; Polyclonal Antibody; IP3 receptor Antibody Affinity Purified; 5-trisphosphate receptor; DKFZp313N1434; inositol 1 4 5 triphosphate receptor type 1; Inositol 1; InsP3R1; IP3; IP3R1; ITPR 1; SCA15; SCA16; SCA29; Type 1 inositol 1 4 5 triphosphate receptor; Type 1 inositol 1 antibody; anti-IP3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Bovine, Human, Monkey, Mouse, Rat
Clonality	Polyclonal
Form/Format	Affinity Purified Immunoglobulins
Concentration	0.75 mg/ml IgG in antibody stabilization buffer (varies by lot)
Sequence Length	2710
Applicable Applications for anti-IP3 antibody	WB (Western Blot), ELISA
Immunogen	Synthetic peptide corresponding to unique amino acid sequence on human ITPR subtype 1 protein.
Expression	Widely expressed
Molecular Function	Calcium channel, Ion channel, Ligand-gated ion channel, Receptor
Structure	Homotetramer. Interacts with TRPC4. The PPXXF motif binds HOM1, HOM2 and HOM3. Interacts with RYR1, RYR2, ITPR1, SHANK1 and SHANK3. Interacts with ERP44 in a pH-, redox state- and calcium-dependent manner which results in the inhibition the calcium channe
Subcellular Location	Endoplasmic Reticulum membrane; Multi-pass membrane protein
Preparation and Storage	-20• degree C for long term storage

IMAGES



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-IP3 antibody	Affinity Purified Inositol 1, 4, 5-trisphosphate receptor type isoform 1 Antibody Intracellular channel that mediates calcium release from the endoplasmic reticulum following stimulation by inositol 1, 4, 5-trisphosphate. 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).
Product Categories/Family for anti-IP3 antibody	Primary Antibodies; Signal Transduction; Calcium Binding; IP3 receptor Antibody

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	309,338 Da
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
UniProt Entry Name	ITPR1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ip3-receptor-antibody-western-blot-elisa/75896>