

Rabbit Inositol 1,4,5-trisphosphate receptor type 1 Polyclonal Antibody | anti-ITPR1 antibody

Anti-IP3 receptor Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46090	Rabbit	Human, Mouse, Rat. No cross reactivity with other proteins.	Immunohistochemistry, Western Blot

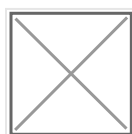
PRODUCT SYNONYMS

Inositol 1; 4; 5-trisphosphate receptor type 1; Polyclonal Antibody; Anti-IP3 receptor Antibody; 4 antibody; 5-trisphosphate receptor antibody; 5-trisphosphate receptor type 1 antibody; DKFZp313E1334 antibody; DKFZp313N1434 antibody; inositol 1 4 5 triphosphate receptor type 1 antibody; Inositol 1 4 5 trisphosphate Receptor Type 1 antibody; Inositol 1 antibody; Inositol 145-trisphosphate Receptor Type 1 antibody; InsP3R1 antibody; IP3 antibody; IP3 receptor antibody; IP3 receptor isoform 1 antibody; IP3R 1 antibody; IP3R antibody; IP3R1 antibody; ITPR 1 antibody; Itp1 antibody; ITPR1_HUMAN antibody; SCA15 antibody; SCA16 antibody; SCA29 antibody; Type 1 inositol 1 4 5 trisphosphate receptor antibody; Type 1 inositol 1 antibody; Type 1 InsP3 receptor antibody; inositol 1; 5-trisphosphate receptor; type 1; anti-ITPR1 antibody

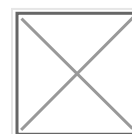
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	2710
Applicable Applications for anti-ITPR1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E.coli-derived human IP3 receptor recombinant protein (Position: A2411-A2758). Human IP3 receptor shares 98% and 97% amino acid (aa) sequences identity with mouse and rat IP3 receptor, respectively.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti- IP3 receptor antibody, AAA46090,IHC(P)IHC(P): Human Lung Cancer Tissue

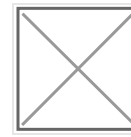


IHC (Immunohistochemistry)
Anti- IP3 receptor antibody, AAA46090,IHC(P)IHC(P): Rat Brain Tissue



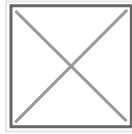
IHC (Immunohistochemistry)

Anti- IP3 receptor antibody, AAA46090, IHC(P) IHC(P): Mouse Brain Tissue



WB (Western Blot)

Anti- IP3 receptor antibody, AAA46090, Western blotting All lanes: Anti IP3 receptor (AAA46090) at 0.5ug/ml Lane 1: Rat Brain Tissue Lysate at 50ug Lane 2: Rat Liver Tissue Lysate at 50ug Lane 3: HELA Whole Cell Lysate at 40ug Lane 4: HEPG2 Whole Cell Lysate at 40ug Predicted bind size: 314KD Observed bind size: 314KD



WB (Western Blot)

Anti- IP3 receptor antibody, AAA46090, Western blotting All lanes: Anti IP3 receptor (AAA46090) at 0.5ug/ml WB: Recombinant Human IP3 receptor Protein 0.5ng Predicted bind size: 45KD Observed bind size: 45KD

ADDITIONAL INFORMATION

Related Product Information for anti-ITPR1 antibody

Description: Rabbit IgG polyclonal antibody for Inositol 1,4,5-trisphosphate receptor type 1 (ITPR1) detection. Tested with WB, IHC-P in Human; Mouse; Rat.

Background: Inositol 1,4,5-trisphosphate receptor type 1, also known as IP3R or IP3R1, is a protein that in humans is encoded by the ITPR1 gene. It is mapped to 3p26.1. The product of the ITPR1 gene is predominantly enriched in cerebellar Purkinje cells but is also concentrated in neurons in the hippocampal CA1 region, caudate-putamen, and cerebral cortex. The ITPR1 gene encodes the inositol 1,4,5-trisphosphate (IP3) receptor, an intracellular IP3-gated calcium channel that modulates intracellular calcium signaling. Upon stimulation by inositol 1,4,5-trisphosphate, this receptor mediates calcium release from the endoplasmic reticulum. Mutations in ITPR1 cause spinocerebellar ataxia type 15, a disease associated with a heterogeneous group of cerebellar disorders.

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; IP3R 1; IP3 receptor; type 1 InsP3 receptor; inositol 1,4,5-trisphosphate receptor, type 1; protein phosphatase 1, regulatory subunit 94; type 1 inositol 1,4,5-trisphosphate receptor
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/inositol-1-4-5-trisphosphate-receptor-type-1-antibody-immunohistochemistry-western-blot-elisa/46090>