

Inositol1, 4, 5-trisphosphateR1 Antibody | anti-IP3R antibody

Inositol1, 4, 5-trisphosphateR1 (Phospho-Ser1598/1588) Antibody

CATALOG # AAA267593	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry
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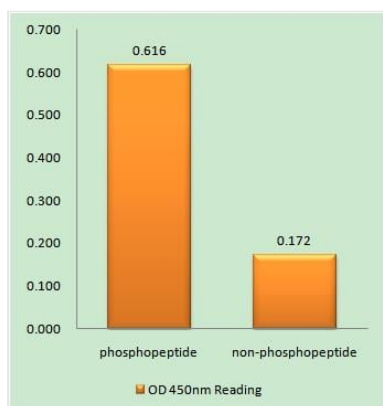
PRODUCT SYNONYMS

Inositol1; 4; 5-trisphosphateR1; 5-trisphosphateR1 (Phospho-Ser1598/1588) Antibody; IP3 receptor isoform 1; ITPR1; Inositol 1; 5-trisphosphate receptor type 1; InsP3R1; Type 1 InsP3 receptor; Type 1 inositol 1; 5-trisphosphate receptor; anti-IP3R antibody

PRODUCT SPECIFICATIONS

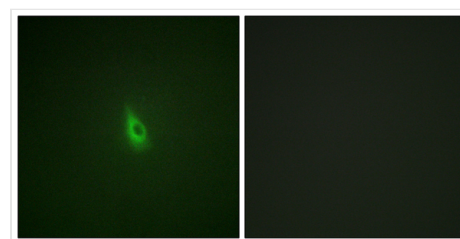
Reactivity	Human, Mouse, Rat
Specificity	Inositol 1, 4, 5-trisphosphate R1 (Phospho-Ser1598/1588) antibody detects endogenous levels of Inositol 1, 4, 5-trisphosphate R1 only when phosphorylated at serine 1598/1588.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	2710
Applicable Applications for anti-IP3R antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human Inositol 1, 4, 5-trisphosphate R1 around the phosphorylation site of serine 1598/1588 (R-D-SP-V-L).
All Sites	Human: Ser1598 Mouse: Ser1588 Rat: Ser1589
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



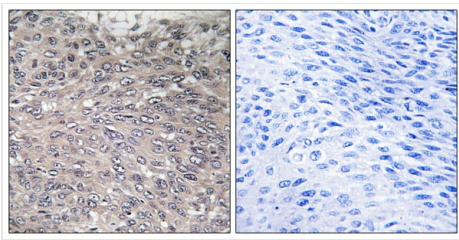
Application Data

Inositol 1, 4, 5-trisphosphate R1 (Phospho-Ser1598/1588) antibody reacts with epitope-specific phosphopeptide and corresponding non-phosphopeptide. The absorbance readings at 450 nm are shown in the ELISA figure.



IHC (Immunohistochemistry)

P-peptide-+ Immunohistochemistry analysis of paraffin-embedded human cervix tissue using Inositol 1, 4, 5-trisphosphate R1 (Phospho-Ser1598/1588) antibody. Immunofluorescence analysis of A549 cells, using Inositol 1, 4, 5-trisphosphate R1 (Phospho-Ser1598/1588) antibody.



Application Data
P-peptide-+

ADDITIONAL INFORMATION

References	Mitsuharu Hattori, J. Biol. Chem., Mar 2004; 279: 11967-11975. MA Dent, Development, Mar 1996; 122: 1029. Henk Sipma, J. Biol. Chem., Apr 1999; 274: 12157.
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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	309,209 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

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/ip3r-human-mouse-rat-antibody/inositol1-4-5-trisphosphater1/267593>