

ITPR3 Polyclonal Antibody | anti-ITPR3 antibody

Anti-ITPR3 Antibody

CATALOG # AAA46275	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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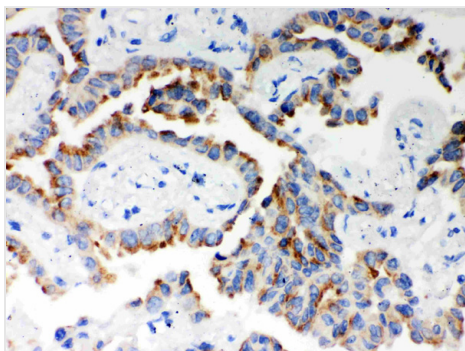
PRODUCT SYNONYMS

ITPR3; Polyclonal Antibody; Anti-ITPR3 Antibody; Inositol 1; 4; 5-trisphosphate receptor type 3; 5-trisphosphate receptor; FLJ36205; 5 trisphosphate receptor type 3; InsP3R3; IP3 receptor; IP3 receptor isoform 3; IP3R 3; IP3R; IP3R3; ITPR 3; ITPR3_HUMAN; Type 3 inositol 1; 5 trisphosphate receptor; Type 3 InsP3 receptor; inositol 1; type 3; anti-ITPR3 antibody

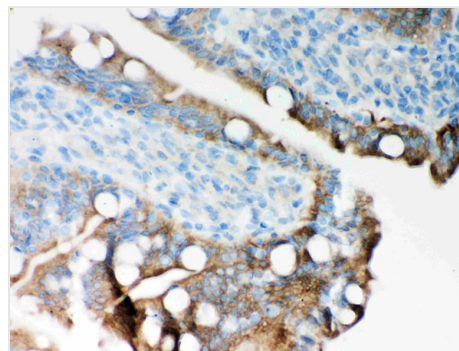
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	2671
Applicable Applications for anti-ITPR3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human ITPR3 (70-95aa QYWKAKQTKQDKEKIADVLLQKLQH), identical to the related mouse and rat sequences.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

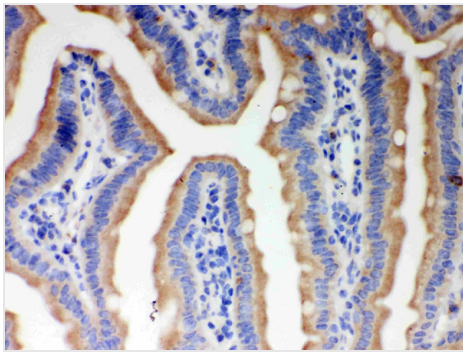
IMAGES



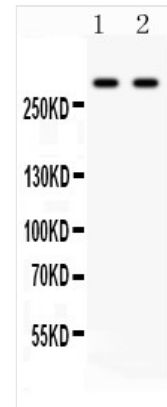
IHC (Immunohistochemistry)
Anti- ITPR3 Picoband antibody, AAA46275, IHC(P)IHC(P): Human Lung Cancer Tissue



IHC (Immunohistochemistry)
Anti- ITPR3 Picoband antibody, AAA46275, IHC(P)IHC(P): Rat Intestine Tissue



IHC (Immunohistochemistry)
Anti- ITPR3 Picoband antibody, AAA46275, IHC(P)IHC(P): Mouse Intestine Tissue



WB (Western Blot)
Anti- ITPR3 Picoband antibody, AAA46275, Western blottingAll lanes: Anti ITPR3 (AAA46275) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: SW620 Whole Cell Lysate at 40ugPredicted bind size: 304KDObserved bind size: 304KD

ADDITIONAL INFORMATION

Related Product Information for anti-ITPR3 antibody	Description: Rabbit IgG polyclonal antibody for Inositol 1,4,5-trisphosphate receptor type 3(ITPR3) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: ITPR3 encodes a receptor for inositol 1,4,5-trisphosphate, a second messenger that mediates the release of intracellular calcium. The receptor contains a calcium channel at the C-terminus and the ligand-binding site at the N-terminus. Knockout studies in mice suggest that type 2 and type 3 inositol 1,4,5-trisphosphate receptors play a key role in exocrine secretion underlying energy metabolism and growth. ITP3 channels serve an important role in the taste transduction pathway of sweet, bitter and umami tastes the gustatory system. ITP3 channels allow the flow of Calcium out of the endoplasmic reticulum in response to IP3. Calcium cations result in the activation of TRPM5 which leads to a depolarisation generating potential and an action potential.
References	1. "Entrez Gene: inositol 1". 2. Chaudhari N, Roper SD (August 2010)."The cell biology of taste". J. Cell Biol.190 (3): 285-96. 3. Yamamoto-Hino M, Sugiyama T, Hikichi K et al. (1994). "Cloning and characterization of human type 2 and type 3 inositol 1,4,5-trisphosphate receptors".Recept. Channels 2 (1): 9-22.

NCBI AND UNIPROT INFORMATION

NCBI GI #	153945846
NCBI GeneID	3710
NCBI Accession #	NP_002215.2
NCBI GenBank Nucleotide #	NM_002224.3
UniProt Accession #	Q14573; Q14649; Q5TAQ2
Molecular Weight	304,106 Da
NCBI Official Full Name	inositol 1,4,5-trisphosphate receptor type 3
NCBI Official Synonym Full Names	inositol 1,4,5-trisphosphate receptor type 3
NCBI Official Symbol	ITPR3
NCBI Official Synonym Symbols	IP3R; IP3R3
NCBI Protein Information	inositol 1,4,5-trisphosphate receptor type 3
UniProt Protein Name	Inositol 1,4,5-trisphosphate receptor type 3
UniProt Gene Name	ITPR3
UniProt Synonym Gene Names	IP3R 3; InsP3R3; Type 3 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/itpr3-antibody-immunohistochemistry-western-blot-elisa/46275>