

ARG58823 anti-ITPR3 / IP3R3 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ITPR3 / IP3R3
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Chk
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ITPR3 / IP3R3
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 70-95 of Human ITPR3 (QYWKAKQTKQDKEKIADVLLQLQH).
Conjugation	Un-conjugated
Alternate Names	IP3R; Type 3 inositol 1,4,5-trisphosphate receptor; Inositol 1,4,5-trisphosphate receptor type 3; Type 3 InsP3 receptor; InsP3R3; IP3R 3; IP3 receptor isoform 3; IP3R3

Application Instructions

Application table	Application	Dilution
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml
Application Note	IHC-P: Antigen Retrieval: By heat mediation. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

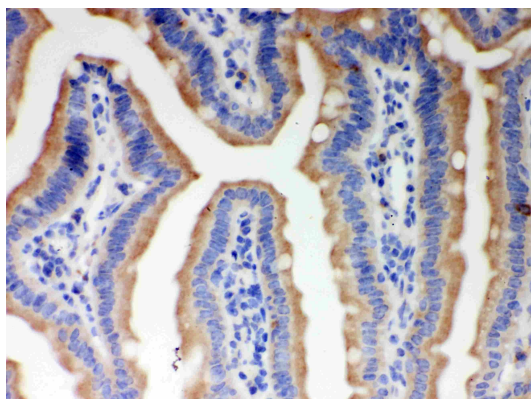
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

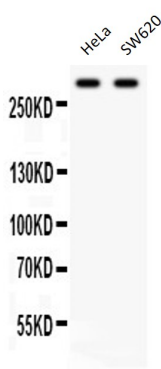
Gene Symbol	ITPR3
Gene Full Name	inositol 1,4,5-trisphosphate receptor, type 3
Background	This gene encodes a receptor for inositol 1,4,5-trisphosphate, a second messenger that mediates the release of intracellular calcium. The receptor contains a calcium channel at the C-terminus and the ligand-binding 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. [provided by RefSeq, Aug 2010]
Function	Receptor for inositol 1,4,5-trisphosphate, a second messenger that mediates the release of intracellular calcium. [UniProt]
Calculated Mw	304 kDa
PTM	Phosphorylated on tyrosine residues. Phosphorylated by AKT1 on serine and/or threonine residues (By similarity). [UniProt]
Cellular Localization	Endoplasmic reticulum membrane; Multi-pass membrane protein. [UniProt]

Images



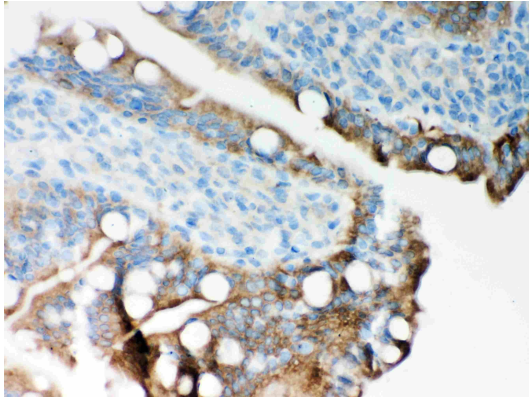
ARG58823 anti-ITPR3 / IP3R3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse intestine stained with ARG58823 anti-ITPR3 / IP3R3 antibody.



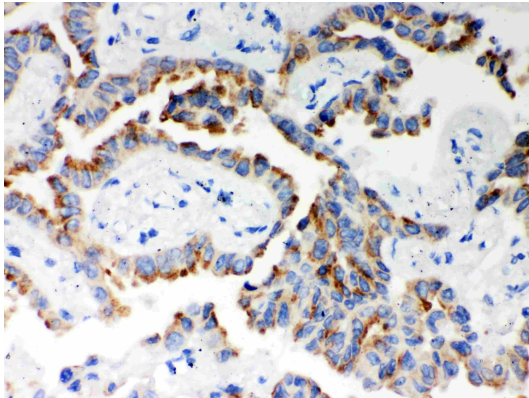
ARG58823 anti-ITPR3 / IP3R3 antibody WB image

Western blot: 40 µg of HeLa and SW620 cell lysates stained with ARG58823 anti-ITPR3 / IP3R3 antibody at 0.5 µg/ml dilution.



ARG58823 anti-ITPR3 / IP3R3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat intestine stained with ARG58823 anti-ITPR3 / IP3R3 antibody.



ARG58823 anti-ITPR3 / IP3R3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer stained with ARG58823 anti-ITPR3 / IP3R3 antibody.
