

ITPR2 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2483a

Specification

ITPR2 Antibody (internal region) - Product Information

Application	E
Primary Accession	Q14571
Other Accession	NP_002214.2 , 3709 , 16439 (mouse) , 81678 (rat)
Predicted Host	Human, Mouse, Rat, Dog
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	308064

ITPR2 Antibody (internal region) - Additional Information

Gene ID 3709

Other Names

Inositol 1, 4, 5-trisphosphate receptor type 2, IP3 receptor isoform 2, IP3R 2, InsP3R2, Type 2 inositol 1, 4, 5-trisphosphate receptor, Type 2 InsP3 receptor, ITPR2

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ITPR2 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

ITPR2 Antibody (internal region) - Protein Information

Name ITPR2 ([HGNC:6181](#))

Function

Inositol 1,4,5-trisphosphate-gated calcium channel that upon inositol 1,4,5-trisphosphate binding transports calcium from the endoplasmic reticulum lumen to cytoplasm (PubMed:25329695). Exists in two states; a long-lived closed state where the channel is essentially 'parked' with only very rare visits to an open state and that ligands facilitate the transition from the 'parked' state into a 'drive' mode represented by periods of bursting activity (By similarity).

Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9Z329}; Multi-pass membrane protein. Cytoplasmic vesicle, secretory vesicle membrane {ECO:0000250|UniProtKB:Q8WN96}; Multi-pass membrane protein. Note=Forms clusters on endoplasmic reticulum membrane upon inositol 1,4,5-trisphosphate binding {ECO:0000250|UniProtKB:Q9Z329}

Tissue Location

[Isoform Short]: Found in skeletal muscle and heart.

ITPR2 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ITPR2 Antibody (internal region) - Images**ITPR2 Antibody (internal region) - Background**

No cross-reactivity expected with other types of ITPR.

ITPR2 Antibody (internal region) - References

IP3 receptor types 2 and 3 mediate exocrine secretion underlying energy metabolism. Futatsugi A, Nakamura T, Yamada MK, Ebisui E, Nakamura K, Uchida K, Kitaguchi T, Takahashi-Iwanaga H, Noda T, Aruga J, Mikoshiba K. Science. 2005 Sep 30;309(5744):2232-4. PMID: 16195467