10320 Camino Santa Fe, Suite G
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ITPR2 / IP3 Receptor Type 2 Antibody (Internal)

Goat Polyclonal Antibody
Catalog # ALS12715

Specification

ITPR2 / IP3 Receptor Type 2 Antibody (Internal) - Product Information

Application	**IHC**
Primary Accession	Q14571
Reactivity	**Human, Monkey**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**308kDa KDa**

ITPR2 / IP3 Receptor Type 2 Antibody (Internal) - 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

Target/Specificity
Human ITPR2. No cross-reactivity expected with other types of ITPR.

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
ITPR2 / IP3 Receptor Type 2 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

ITPR2 / IP3 Receptor Type 2 Antibody (Internal) - Protein Information

Name ITPR2

Function
Receptor for inositol 1,4,5-trisphosphate, a second messenger that mediates the release of intracellular calcium. This release is regulated by cAMP both dependently and independently of PKA (By similarity).

Cellular Location
Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location
Isoform Short is found in skeletal muscle and heart

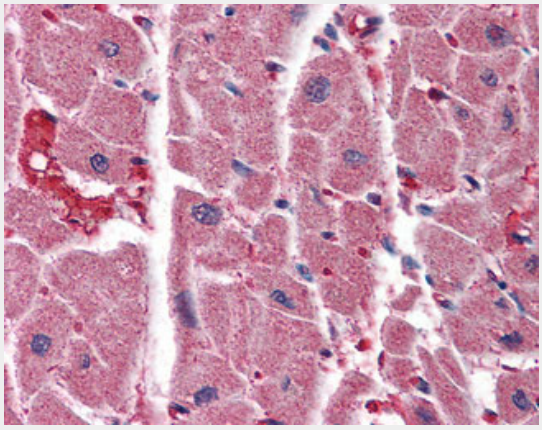
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ITPR2 / IP3 Receptor Type 2 Antibody (Internal) - Protocols

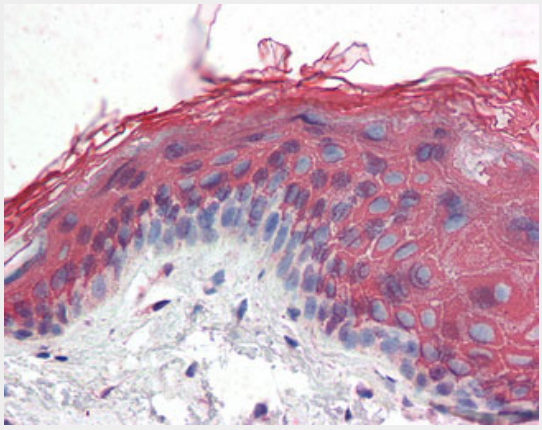
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ITPR2 / IP3 Receptor Type 2 Antibody (Internal) - Images

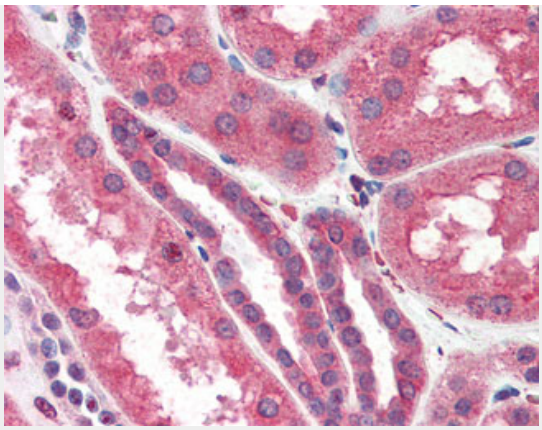


Anti-ITPR2 antibody IHC of human heart.



Anti-ITPR2 antibody IHC of human skin.

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Anti-ITPR2 antibody IHC of human kidney.

ITPR2 / IP3 Receptor Type 2 Antibody (Internal) - Background

Receptor for inositol 1,4,5-trisphosphate, a second messenger that mediates the release of intracellular calcium. This release is regulated by cAMP both dependently and independently of PKA (By similarity).

ITPR2 / IP3 Receptor Type 2 Antibody (Internal) - References

Yamamoto-Hino M.,et al.Recept. Channels 2:9-22(1994).
Futatsugi A.,et al.Biochem. J. 334:559-563(1998).
Scherer S.E.,et al.Nature 440:346-351(2006).
Yang J.,et al.Proc. Natl. Acad. Sci. U.S.A. 99:7711-7716(2002).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).