Product datasheet

Anti-ITPR2 antibody ab104550

Overview

Product name: Anti-ITPR2 antibody
Description: Goat polyclonal to ITPR2
Host species: Goat
Tested applications: Suitable for: ELISA, IHC-P
Species reactivity: Reacts with: Human
Predicted to work with: Mouse, Rat, Cow, Dog
Immunogen: Synthetic peptide:
C-PIEESNILSPVQD
, corresponding to internal sequence amino acids 1152-1164 of Human ITPR2.
Positive control: Human heart, skin and kidney tissues.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer: pH: 7.30
Preservative: 0.02% Sodium azide
 Constituents: 0.5% BSA, Tris buffered saline
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab104550 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
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.

Tissue specificity
Isoform Short is found in skeletal muscle and heart.

Involvement in disease
Anhidrosis, isolated, with normal sweat glands

Sequence similarities
Belongs to the InsP3 receptor family.
Contains 5 MIR domains.

Domain
The receptor contains a calcium channel in its C-terminal extremity. Its large N-terminal cytoplasmic region has the ligand-binding site in the N-terminus and modulatory sites in the middle portion immediately upstream of the channel region.

Post-translational modifications
Phosphorylation by cAMP-dependent PKA on Ser-937 increases calcium release.

Cellular localization
Endoplasmic reticulum membrane.

Images

**Application** | **Abreviews** | **Notes**
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ELISA | 1/128000. | 
IHC-P | Use a concentration of 3.75 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. | 

**Target**

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**Images**

ab104550 at 3.75µg/ml staining ITPR2 in Human heart by Immunohistochemistry, Formalin-fixed, Paraffin-embedded tissue followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.

**Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ITPR2 antibody (ab104550)**
ab104550 at 3.75µg/ml staining ITPR2 in Human skin by Immunohistochemistry, Formalin-fixed, Paraffin-embedded tissue followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.

ab104550 at 3.75µg/ml staining ITPR2 in Human kidney by Immunohistochemistry, Formalin-fixed, Paraffin-embedded tissue followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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