

## Anti-ITPR2 antibody

<b>Cat. No.</b>	ml164287
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-ITPR2 rabbit polyclonal antibody
<b>Applications</b>	ELISA, IHC
<b>Immunogen</b>	Synthetic peptide of human ITPR2
<b>Reactivity</b>	Human, Mouse, Rat
<b>Content</b>	1.86 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	ITPR2
<b>Full name</b>	inositol 1,4,5-trisphosphate receptor type 2
<b>Synonyms</b>	ANHD; IP3R2; CFAP48; INSP3R2
<b>Swissprot</b>	Q14571

### Target Background

The protein encoded by this gene belongs to the inositol 1,4,5-trisphosphate receptor family, whose members are second messenger intracellular calcium release channels. These proteins mediate a rise in cytoplasmic calcium in response to receptor activated production of inositol triphosphate. Inositol triphosphate receptor-mediated signaling is involved in many processes including cell migration, cell division, smooth muscle contraction, and neuronal signaling. This protein is a type 2 receptor that consists of a cytoplasmic amino-terminus that binds inositol triphosphate, six membrane-spanning helices that contribute to the ion pore, and a short cytoplasmic carboxy-terminus. A mutation in this gene has been associated with anhidrosis, suggesting that intracellular calcium release mediated by this protein is required for eccrine sweat production.

订购热线: 4008-898-798

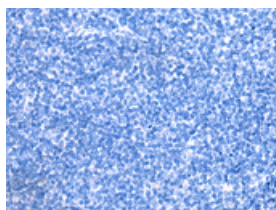
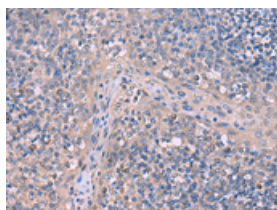
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm or Nucleus

Positive control: Human tonsil

Recommended dilution: 50-300

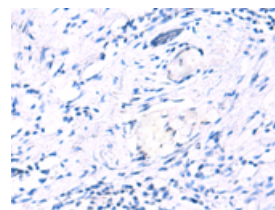
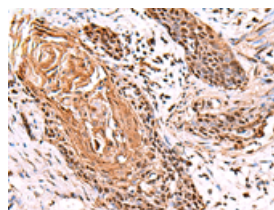


The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using ml164287(ITPR2 Antibody) at dilution 1/65, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

Predicted cell location: Cytoplasm or Nucleus

Positive control: Human esophagus cancer

Recommended dilution: 50-300



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ml164287(ITPR2 Antibody) at dilution 1/65, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

### ELISA

Recommended dilution: 5000-10000

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