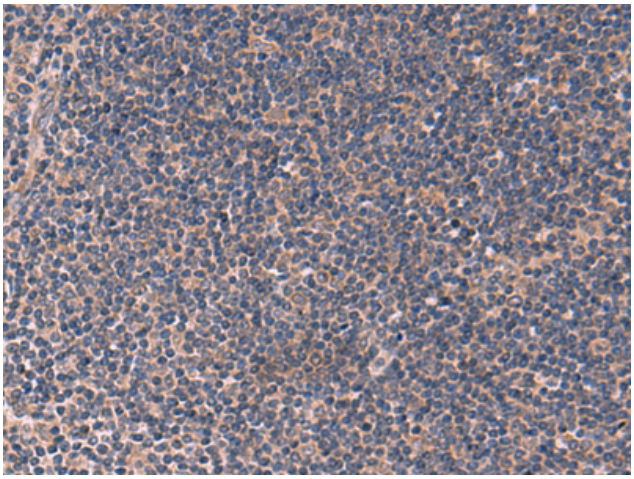
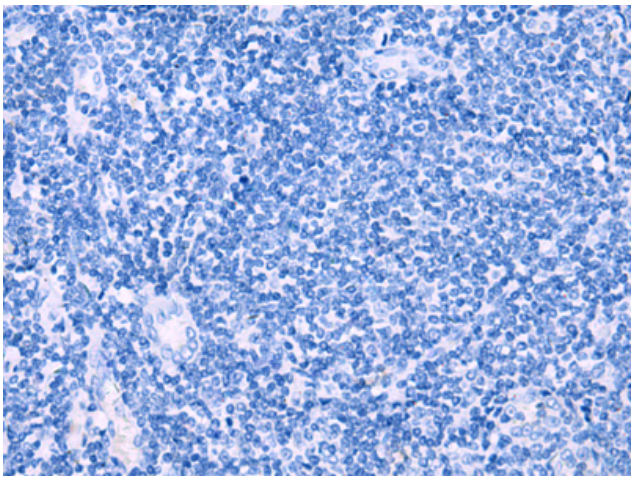
ITPR2 RABBIT PAB

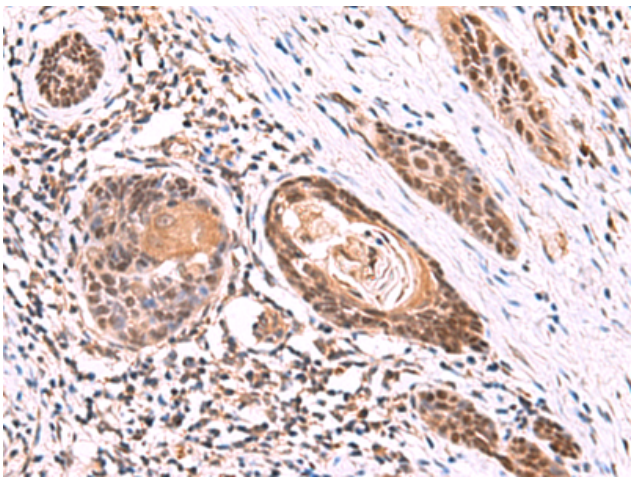
Cat.#: S222257
Product Name: Anti-ITPR2 Rabbit Polyclonal Antibody
Synonyms: ANHD; IP3R2; CFAP48; INSP3R2
UNIPROT ID: Q14571 (Gene Accession - NP_002214)
Background: The protein encoded by this gene belongs to the inositol 1,4,5-triphosphate receptor family, whose members are second messenger intracellular 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.
Immunogen: Synthetic peptide of human ITPR2
Applications: ELISA, IHC
Recommended Dilutions: IHC: 50-300; ELISA: 5000-10000
Host Species: Rabbit
Clonality: Rabbit Polyclonal
Isotype: Immunogen-specific rabbit IgG
Purification: Antigen affinity purification
Species Reactivity: Human, Mouse, Rat
Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol
Research Areas: Signal Transduction, Cancer, Cardiovascular, Metabolism
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



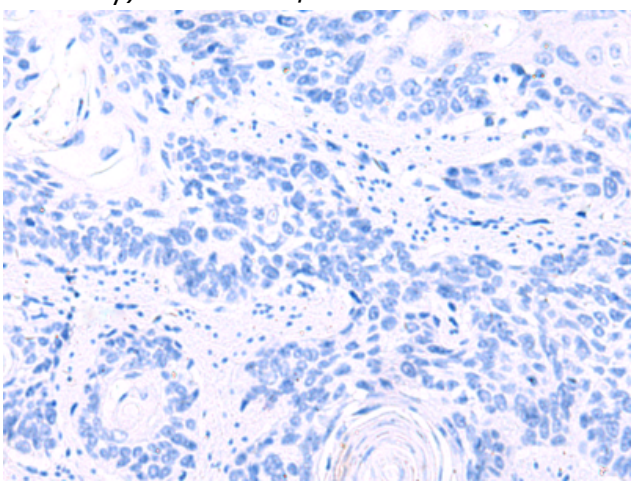
Immunohistochemistry analysis of paraffin embedded Human tonsil tissue using 222257(ITPR2 Antibody) at a dilution of 1/60(Cytoplasm or Nucleus).



In comparision with the IHC on the left, the same paraffin-embedded Human tonsil tissue is first treated with the synthetic peptide and then with 222257(Anti-ITPR2 Antibody) at dilution 1/60.



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using 222257(Anti-ITPR2 Antibody) at a dilution of 1/60.



In comparision with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with synthetic peptide and then with D264287(Anti-ITPR2 Antibody) at dilution 1/60.