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TRPC5 Polyclonal Antibody

Catalog Number OST00074G

Product data sheet

Details	
Size	500 µg
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Immunogen	A synthetic peptide from zebrafish trpc5, conjugated to an immunogenic carrier protein
Conjugate	Unconjugated
Form	Lyophilized
Concentration	1 mg/mL
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

Species Reactivity	
Species reactivity	Zebrafish

Tested Applications	Dilution *
Immunohistochemistry (IHC)	10-50 µg/mL
Western Blot (WB)	10-50 µg/mL

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product specific information

Reconstitute with 500 µL of distilled water.

Background/Target Information

TRPC5 belongs to the transient receptor family. TRPC5 is one of the seven mammalian TRPC (transient receptor potential channel) proteins. The TRPC5 protein is a multi-pass membrane protein and is thought to form a receptor-activated non-selective calcium permeant cation channel. TRPC5 is active alone or as a heteromultimeric assembly with TRPC1, TRPC3, and TRPC4. TRPC5 also interacts with multiple proteins including calmodulin, CABP1, enkurin, Na(+)-H+ exchange regulatory factor (NHERF), interferon-induced GTP-binding protein (MX1), ring finger protein 24 (RNF24), and SEC14 domain and spectrin repeat-containing protein 1 (SESTD1). TRPC5 is thought to form a receptor-activated non-selective calcium permeant cation channel. TRPC5 is probably operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases, or G-protein coupled receptors. TRPC5 has also been shown to be calcium-selective, and may also be activated by intracellular calcium store depletion. Diseases associated with TRPC5 include Hypertrophic Pyloric Stenosis and Pyloric Stenosis.

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