Rabbit Polyclonal antibody to Zebrafish TRPC6.

**CPBT-49034RZ**  Rabbit(TRPC6)
Lot. No. (See product label)

## PRODUCT INFORMATION

**Product Overview**  Rabbit Polyclonal antibody to Zebrafish TRPC6.

**Antigen Description**  The protein encoded by this gene forms a receptor-activated calcium channel in the cell membrane. The channel is activated by diacyl glycerol and is thought to be under the control of a phosphatidylinositol second messenger system. Activation of this channel is specific for expressed primarily in placenta, lung, spleen, ovary and small intestine. Expressed in podocytes and is a component of the glomerular slit diaphragm.

**Target**  TRPC6

**Immunogen**  A synthetic peptide as a part of zebrafish TRPC6 conjugated to an immunogenic carrier protein

**Host**  Rabbit

**Isotype**  IgG

**Species**  Zebrafish

**Purification**  IgG fraction

**Applications**  WB, IHC-P, IHC-Fr

**Sequence similarities**  Belongs to the transient receptor (TC 1.A.4) family. STrpC subfamily. TRPC6 sub-subfamily. Contains 4 ANK repeats.

**Cellular localization**  Membrane.

## PACKAGING

**Format**  Liquid

**Buffer**  Preservative: None Constituents: PBS

**Storage**  Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C (add glycerol to a final volume of 40% for extra stability). Avoid repeated freeze / thaw cycles.

## ANTIGEN GENE INFORMATION

**Gene Name**  trpc6 transient receptor potential cation channel, subfamily C, member 6  [Danio rerio]

**Official Symbol**  TRPC6

**Synonyms**  TRPC6; transient receptor potential cation channel, subfamily C, member 6; short transient receptor potential channel 6; bZ1P14.9; FLJ11098; FLJ14863; FSGS2; MTRP6; Short transient receptor potential channel 6; si:rp71-1p14.9; Transient receptor potential cation channel subfamily C member 6; Transient receptor protein 6; TRP 6; TRP-6; TRP6; TRPC 6; TrpC6; TrpC6; TRPC6_HUMAN; TRRP6; bZ1P14.9; si:rp71-1p14.9;

**GeneID**  563989

**mRNA Refseq**  NM_001030282

**Protein Refseq**  NP_001025453
Pathway: Effects of PIP2 hydrolysis, organism-specific biosystem; Elevation of cytosolic Ca2+ levels, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Hemostasis, organism-specific biosystem; Platelet activation, signaling and aggregation, organism-specific biosystem; Platelet calcium homeostasis, organism-specific biosystem;

Function: calcium channel activity; ion channel activity; receptor activity;

REFERENCES