TRPC6 polyclonal antibody

Catalog # PAB7504 Size 100 ug

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of TRPC6.
Immunogen	A synthetic peptide corresponding to human TRPC6.
Sequence	C-EKLSMEPNQEETN
Host	Goat
Theoretical MW (kDa)	106
Reactivity	Mouse
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Gene Info — TRPC6

Entrez GeneID	7225
Protein Accession#	NP_004612.2
Gene Name	TRPC6
Gene Alias	FLJ11098, FLJ14863, FSGS2, TRP6
Gene Description	transient receptor potential cation channel, subfamily C, member 6
Omim ID	603652 603965
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene forms a receptor-activated calcium channel in the cell membrane. The channel is activated by diacylglycerol and is thought to be under the control of a phosphatidylinositol second messenger system. Activation of this channel occurs independently of protein kinase C and is not triggered by low levels of intracellular calcium. Defects in this gene are a cause of focal segmental glomerulosclerosis 2 (FSGS2). [provided by RefSeq
Other Designations	transient receptor potential channel 6

Publication Reference

- A mutation in the TRPC6 cation channel causes familial focal segmental glomerulosclerosis.

  Winn MP, Conlon PJ, Lynn KL, Farrington MK, Creazzo T, Hawkins AF, Daskalakis N, Kwan SY, Ebersviller S, Burchette JL, Pericak-Vance MA, Howell DN, Vance JM, Rosenberg PB.

  Science 2005 May; 308(5729):1801.

Disease

- Genetic Predisposition to Disease
- Glomerulonephritis
- Glomerulosclerosis
- Hypertension

- Liver Cirrhosis