



TRPC6 rabbit pAb

Catalog No	YP-Ab-08924
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	TRPC6 TRP6
Immunogen	Synthesized peptide derived from human TRPC6 AA range: 412-462
Specificity	This antibody detects endogenous levels of TRPC6 at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FSGS2;Transient receptor protein 6;TRP 6;TRP6;TRP-6;TRPC6;TRPC6 TRP6
Observed Band	102kD
Calculated Molecular Weight	102kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Expressed primarily in placenta, lung, spleen, ovary and small intestine. Expressed in podocytes and is a component of the glomerular slit diaphragm.
Function	disease:Defects in TRPC6 are the cause of focal segmental glomerulosclerosis 2 (FSGS2) [MIM:603965]. FSGS2 is an autosomal dominant disease characterized by increased urinary protein excretion (proteinuria) and decreasing kidney function (nephrotic syndrome). Renal insufficiency often progresses to end-stage renal disease (ESRD) (also known as end-stage renal failure), a highly morbid state requiring either dialysis therapy or kidney transplantation.,function:Thought to form a receptor-activated non-selective calcium permeant cation channel. Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Activated by diacylglycerol (DAG) in a membrane-delimited fashion, independently of protein kinase C. Seems not to be activated by intracellular calcium store depletion.,similarity:Belongs to the transient rece



Background

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, Mar 2009],

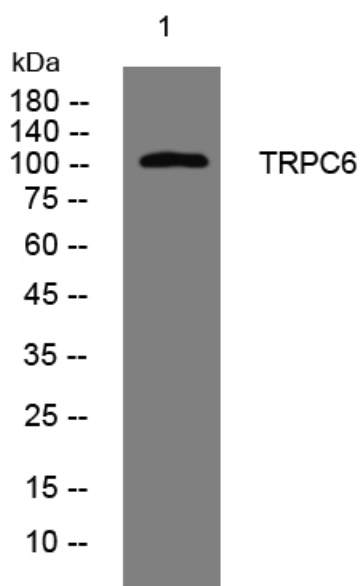
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from SW480 cells, primary antibody was diluted at 1:1000, 4° over night