ARG51301
anti-TRPC6 antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TRPC6
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TRPC6
Species	Human
Immunogen	peptide Corresponding to the amino terminal sequence derived from mouse TRPC6.
Conjugation	Un-conjugated
Alternate Names	FSGS2; Transient receptor protein 6; TrpC6; Short transient receptor potential channel 6; TRP-6; TRP6

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

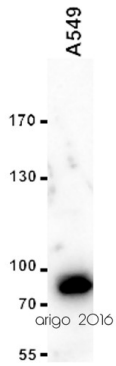
Properties

Form	Liquid
Purification	Antibodies were produced by immunizing rabbits with KLH-conjugated synthetic peptide. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Buffer	PBS (without Mg2+ and Ca2+, pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 22068 Mouse GeneID: 7225 Human Swiss-port # Q61143 Mouse Swiss-port # Q9Y210 Human
Gene Symbol	Trpc6
Gene Full Name	transient receptor potential cation channel, subfamily C, member 6
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).
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. [UniProt]
Research Area	Signaling Transduction antibody
Calculated Mw	106 kDa
PTM	Phosphorylated by FYN, leading to an increase of TRPC6 channel activity.

Images



ARG51301 anti-TRPC6 antibody WB image

Western blot: 20 µg of A549 cell lysates stained with ARG51301 anti-TRPC6 antibody at 1:500 dilution.

ARG51301 anti-TRPC6 antibody WB image

Western blot: 20 µg of Mouse brain and Rat brain lysates stained with ARG51301 anti-TRPC6 antibody at 1:500 dilution.