bs-2393R **[Primary Antibody]**

TRPC6 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 7225 **SWISS:** Q9Y210

Target: TRPC6

Immunogen: KLH conjugated synthetic peptide derived from human TRPC6: 651-750/931. < Extracellular >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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].

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (0.2μg/Test)
ELISA (1:5000-10000)

Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Dog, GuineaPig, Horse)

Predicted MW.: 106 kDa

Subcellular Location: Cell membrane

SELECTED CITATIONS

- **[IF=7.419]** Zheng-Hao Sun. et al. Interruption of TRPC6-NFATC1 signaling inhibits NADPH oxidase 4 and VSMCs phenotypic switch in intracranial aneurysm. BIOMED PHARMACOTHER. 2023 May;161:114480 WB ;Human. 37002575
- **[IF=4.8]** Hui Zhang. et al. Ginsenoside Rg1 attenuates T2DM-induced renal damage and fibrosis by inhibiting TRPC6-ChREBP-TXNIP signaling. J ETHNOPHARMACOL. 2025 May;348:119863 WB ;Human,Mouse. 40311716
- **[IF=2.6]** Qi Lou. et al. Vericiguat reduces electrical and structural remodeling in a rabbit model of atrial fibrillation. J CARDIOVASC PHARM T. ;(): IHC ;Rabbit. 37403470
- **[IF=1.851]** H Cheng et al. Effect of SKF-96365 on cardiomyocyte hypertrophy induced by angiotensin II. Molecular Medicine Reports 21.2 (2020): 806-814. WB ;Rat. doi:10.3892/mmr.2019.10877
- **[IF=2.205]** Pritesh P Jain. et al. Revisiting the mechanism of hypoxic pulmonary vasoconstriction using isolated perfused/ventilated mouse lung. 2020 Nov 25 WB ;Mouse. 33282184