bs-2393R

[Primary Antibody]

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DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

TRPC6 Rabbit pAb

GenelD: 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: (predicted: Human, Mouse,

Rat, 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