

**bs-2806R****[ Primary Antibody ]**

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**CACNA1C Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>ELISA</b> (1:5000-10000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> (predicted: Human, Mouse, Rat, Rabbit, Pig, Cow, Dog, Horse)
<b>GeneID:</b> 775	<b>SWISS:</b> Q13936	<b>Predicted MW.:</b> 249 kDa
<b>Target:</b> CACNA1C		<b>Subcellular Location:</b> Cell membrane
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human DHPR alpha 1: 1001-1100/2221. < Extracellular >		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> The receptor for the 1,4-dihydropyridine (DHP) class of Ca <sup>2+</sup> channel is most abundant in the transverse tubular membranes of skeletal muscle. DHP is essential in excitation-contraction (E-C) coupling and has been proposed to have a dual function as a calcium channel and voltage sensor. Skeletal muscle DHP consists of four subunits: alpha1 (170kDa); alpha2 (175kDa non-reduced, 150kDa reduced); beta (52kDa) and gamma (32kDa).		

**— SELECTED CITATIONS —**

- **[IF=6.9]** Wuping Tan. et al. Celastrol exerts antiarrhythmic effects in chronic heart failure via NLRP3/Caspase-1/IL-1 $\beta$  signaling pathway. BIOMED PHARMACOTHER. 2024 Aug;177:117121 WB ;Rat. 39002443
- **[IF=3.2]** Lobeck, Inna, et al. "Rhesus rotavirus VP6 regulates ERK-dependent calcium influx in cholangiocytes." Virology 499 (2016): 185-195. ICC ;="Mouse". 27668997
- **[IF=3.499]** Zhan C et al. Rotenone and 3-bromopyruvate toxicity impacts electrical and structural cardiac remodeling in rats. Toxicol Lett. 2019 Oct 1. pii: S0378-4274(19)30295-4. IHC ;Rat. 31585160