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JPH2 Rabbit pAb

货号: **AYT1024**

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB
推荐浓度	WB 1:500-2000:
理论分子量	76kD
实测分子量	76kD
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	
细胞定位	Cell membrane>Peripheral membrane protein. Sarcoplasmic reticulum membrane>Single-pass type IV m embrane protein. Endoplasmic reticulum membrane>Single-pass type IV membrane protein.
纯化	Affinity purification

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靶点信息

研究背景	Junctophilin 2 is closely linked within the calcium signaling and muscle contraction pathways. It partners with proteins like the ryanodine receptor (RyR) and the L-type calcium channel both of which are indispensable for calcium ion movement across the muscle cell membranes. JP-2's interaction with these pathways highlights its role in maintaining calcium homeostasis required for muscle function. Junctophilin 2 contributes to conditions such as hypertrophic cardiomyopathy and heart failure. Mutations or dysregulation of JP-2 can disrupt normal calcium signaling and lead to these heart disorders. In the context of hypertrophic cardiomyopathy its disruption affects proteins like the ryanodine receptor indicating its pivotal place in both disease development and potential therapeutic targeting.
基因ID	57158;
基因名	JPH2 JP2
Swiss	Q9BR39 (https://www.uniprot.org/uniprotkb/Q9BR39/entry)
别名	FLJ40969; JP-2; JP2; Jph2; JPH2_HUMAN; Junctophilin 2; Junctophilin type 2; Junctophilin-2; OTTHUMP0000031651; OTTHUMP0000031652;

产品验证

实验步骤

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