

TNNI1 Rabbit mAb

货号: B29069

产品信息

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|-------|---|
| 反应 | Human |
| 宿主 | Rabbit |
| 克隆性 | Monoclonal |
| 预测反应 | |
| 应用 | WB IHC IP |
| 推荐浓度 | WB: 1:500 - 1:2000 IHC: 1:50 - 1:200 IP: 1:20 - 1:50 |
| 理论分子量 | 22kDa |
| 实测分子量 | 22kDa |
| 形式 | Liquid |
| 保存条件 | Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3. |
| 偶联物 | Unconjugated |
| 阳性对照 | Rat skeletal muscle |
| 细胞定位 | cytosol |
| 纯化 | Affinity purification |

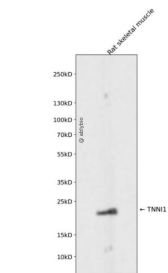
抗原信息

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| 抗原信息 | Recombinant fusion protein corresponding to Human TNNI1. |
| 序列 | MPEVERKPKITASRKLLKSLMLAKAKECWEQEHEEREAEKVRYLAERIPTLQTRGLSLSALQDLCRELHAKVEVVDEERYDI EAKCLHNTREIKDLKLVMDLRGKFKRPPLRRVRVSADAMLRALLGSKHKVSMDLRANLKS VKKEDTEKERPVEVGDWRK NVEAMSGMEGRKKMFDAAKSPTSQ |

靶点信息

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| 研究背景 | Troponin proteins associate with tropomyosin and regulate the calcium sensitivity of the myofibril contractile apparatus of striated muscles. Troponin I (TnI), along with troponin T (TnT) and troponin C (TnC), is one of 3 subunits that form the troponin complex of the thin filaments of striated muscle. TnI is the inhibitory subunit; blocking actin-myosin interactions and thereby mediating striated muscle relaxation. The TnI subfamily contains three genes: TnI-skeletal-fast-twitch, TnI-skeletal-slow-twitch, and TnI-cardiac. The TnI-fast and TnI-slow genes are expressed in fast-twitch and slow-twitch skeletal muscle fibers, respectively, while the TnI-cardiac gene is expressed exclusively in cardiac muscle tissue. This gene encodes the Troponin-I-skeletal-slow-twitch protein. This gene is expressed in cardiac and skeletal muscle during early development but is restricted to slow-twitch skeletal muscle fibers in adults. The encoded protein prevents muscle contraction by inhibiting calcium-mediated conformational changes in actin-myosin complexes. [provided by RefSeq, Jul 2008] |
| 基因ID | 7135 |
| 基因名 | TNNI1 |
| Swiss | P19237 |
| 别名 | SSTNI; TNN1 |

产品验证



Western blot analysis of TNNI1 expressed in Rat skeletal muscle using TNNI1 Rabbit mAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

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