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# CACNB4 Rabbit pAb

**货号: AYP13191**

## 产品信息

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|---|---|
| 反应 | Human,Mouse,Rat |
| 宿主 | Rabbit |
| 克隆性 | Polyclonal |
| 预测反应 | **WB:** Rattus norvegicus |
| 应用 | WB |
| 推荐浓度 | **WB:** 1:1000 - 1:2000 |
| 理论分子量 | 51kDa/54kDa/56kDa/58kDa |
| 实测分子量 | 58kDa |
| 形式 | Liquid |
| 保存条件 | Store at -20℃. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3. |
| 偶联物 | Unconjugated |
| 阳性对照 | Mouse brain,Rat brain |
| 细胞定位 | cytoplasmic side of plasma membrane,cytosol,glutamatergic synapse,nuclear speck,nucleolus,plasma membrane,presynapse,synapse |
| 纯化 | Affinity purification |

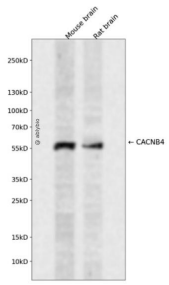
## 抗原信息

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| 抗原信息 | Recombinant fusion protein containing a sequence corresponding to amino acids 401-520 of human CACNB4 (NP_000717.2). |

## 靶点信息

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| 研究背景 | This gene encodes a member of the beta subunit family of voltage-dependent calcium channel complex proteins. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization and consist of a complex of alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. Various versions of each of these subunits exist, either expressed from similar genes or the result of alternative splicing. The protein encoded by this locus plays an important role in calcium channel function by modulating G protein inhibition, increasing peak calcium current, controlling the alpha-1 subunit membrane targeting and shifting the voltage dependence of activation and inactivation. Certain mutations in this gene have been associated with idiopathic generalized epilepsy (IGE) and juvenile myoclonic epilepsy (JME). Multiple transcript variants encoding different isoforms have been found for this gene. |
| 基因ID | 785 |
| 基因名 | CACNB4 |
| Swiss | O00305 (https://www.uniprot.org/uniprotkb/O00305/entry) |
| 别名 | CACNB4,CAB4,CACNLB4,EA5,EIG9,EJM,EJM4,EJM6,CACNB4 Rabbit pAb,Calcium channel voltage-dependent subunit beta 4 |

## 产品验证




Western blot analysis of CACNB4 expressed in Mouse brain,Rat brain using CACNB4 Rabbit pAb 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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