

Kv4.2 Recombinant antibody

Cat: B36167S

Company: HaoKebio

Uniprot ID: Q9NZV8

Applications: IHC:1:2000-1:8000

Organism: Rabbit

IHC-Polymer:1:8000-1:32000

Species reactivity: Human Mouse

IHC-TSA:1:10000-1:40000

Molecular Weight Calculation: 630 aa, 71 kDa

IF:1:100-1:400

Observed Molecular Weight: 75 kDa

WB:1:1000-1:4000

Background:

Voltage-gated potassium or Kv channels, specifically those mediating low threshold, rapidly inactivating Ito and IA currents, are known to regulate cardiac and neuronal membrane excitability, respectively. Voltage-gated potassium channel subunit Kv4.2, encoded by the KCND2 gene, belongs to the potassium channel family and D (Shal) subfamily. It is a pore-forming alpha subunit of voltage-gated rapidly inactivating A-type potassium channels. Kv4.2 is highly expressed in the brain. It is a major constituent of A-type potassium currents and a key regulator of neuronal membrane excitability.

Synonyms:

KCND2, 242754F4, KIAA1044, Potassium voltage-gated channel subfamily D member 2, RK5

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Membrane

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

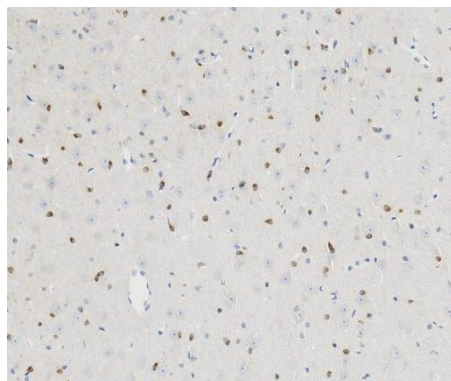
Storage:

Store at -20 °C for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: Mouse brain, 4% PFA 12-24h

Source of Reagents:

发表[中文论文]请标注:Kv4.2(B36167S)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:Kv4.2(B36167S) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.