

Anti-KCNK18/TRESK antibody ab106411

3 图像

概述	
产品名称	Anti-KCNK18/TRESK抗体
描述	兔多克隆抗体to KCNK18/TRESK
宿主	Rabbit
经测试应用	适用于: ICC/IF, WB, IHC-P
种属反应性	与反应: Rat
免疫原	A 17 amino acid peptide from near the center of Human KCNK18/TRESK (NP_862823).
阳性对照	Rat brain tissue
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>
性能	
形式	Liquid
存放说明	Shipped at 4°C. Store at 4°C (stable for up to 12 months).
存储溶液	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG
应用	

The Abpromise guarantee **Abpromise™**承诺保证使用ab106411于以下的经测试应用

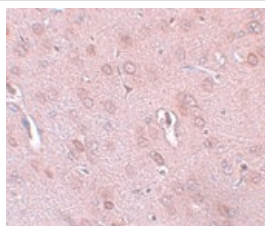
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		Use at an assay dependent concentration.
WB		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 44 kDa.
IHC-P		Use a concentration of 5 µg/ml.

靶标

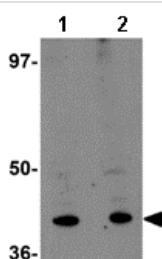
功能	<p>Outward rectifying potassium channel. Produces rapidly activating outward rectifier K(+) currents. May function as background potassium channel that sets the resting membrane potential. Channel activity is directly activated by calcium signal. Activated by the G(q)-protein coupled receptor pathway. The calcium signal robustly activates the channel via calcineurin, whereas the anchoring of 14-3-3/YWHAH interferes with the return of the current to the resting state after activation. Inhibited also by arachidonic acid and other naturally occurring unsaturated free fatty acids. Channel activity is also enhanced by volatile anesthetics, such as isoflurane. Appears to be the primary target of hydroxy-alpha-sanshool, an ingredient of Schezuan pepper. May be involved in the somatosensory function with special respect to pain sensation.</p>
组织特异性	<p>Expressed specifically in dorsal root ganglion and trigeminal ganglion neurons. Detected at low levels in spinal cord.</p>
疾病相关	<p>Defects in KCNK18 are a cause of migraine with or without aura type 13 (MGR13) [MIM:613656]. A form of migraine transmitted in an autosomal dominant pattern. Migraine is a disabling symptom complex of periodic headaches, usually temporal and unilateral. Headaches are often accompanied by irritability, nausea, vomiting and photobia, preceded by constriction of the cranial arteries. The two major subtypes are common migraine (migraine without aura) and classic migraine (migraine with aura). Classic migraine is characterized by recurrent attacks of reversible neurological symptoms (aura) that precede or accompany the headache. Aura may include a combination of sensory disturbances, such as blurred vision, hallucinations, vertigo, numbness and difficulty in concentrating and speaking. Note=Susceptibility to migraine has been shown to be conferred by a frameshift mutation that segregates with the disorder in a large multigenerational family. Migraine was associated with sensitivity to lights, sounds, and smells, as well as nausea and occasional vomiting. Triggers included fatigue, alcohol and bright lights. Mutations in KCNK18 are a rare cause of migraine.</p>
序列相似性	<p>Belongs to the two pore domain potassium channel (TC 1.A.1.8) family.</p>
翻译后修饰	<p>Phosphorylation of Ser-252 is required for the binding of 14-3-3eta/YWHAH. Calcineurin-mediated dephosphorylation of Ser-264 enhances channel activity.</p> <p>N-glycosylated.</p>
细胞定位	<p>Cell membrane.</p>

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-KCNK18/TRESK antibody (ab106411)

ab106411, at 5 µg/ml, staining KCNK18/TRESK in paraffin embedded Rat brain tissue.



Western blot - Anti-KCNK18/TRESK antibody (ab106411)

Lane 1 : Anti-KCNK18/TRESK antibody (ab106411) at 1 µg/ml

Lane 2 : Anti-KCNK18/TRESK antibody (ab106411) at 2 µg/ml

All lanes : Rat brain tissue lysate

Lysates/proteins at 15 µg per lane.

Predicted band size: 44 kDa

Immunocytochemistry/ Immunofluorescence - Anti-KCNK18/TRESK antibody (ab106411)

Immunofluorescence of TRESK in Rat Brain cells using ab106411 at 20 µg/ml.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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