

Anti-KCNK18/TRESK antibody ab96868

画像数 1

製品の概要

製品名	Anti-KCNK18/TRESK antibody
製品の詳細	Rabbit polyclonal to KCNK18/TRESK
由来種	Rabbit
アプリケーション	適用あり: WB
種交差性	交差種: Mouse, Rat
免疫原	Synthetic peptide conjugated to KLH derived from within residues 250 - 350 of Mouse KCNK18/TRESK. Immunogen の所有権に関して (Peptide available as ab109923 .)
ポジティブ・コントロール	This antibody gave a positive signal in the following tissue lysates: Mouse forebrain; Mouse cerebellum; Mouse hippocampus; Mouse spinal cord; Mouse brain; Rat brain; Rat cortex.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
精製度	Immunogen affinity purified
ポリモノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

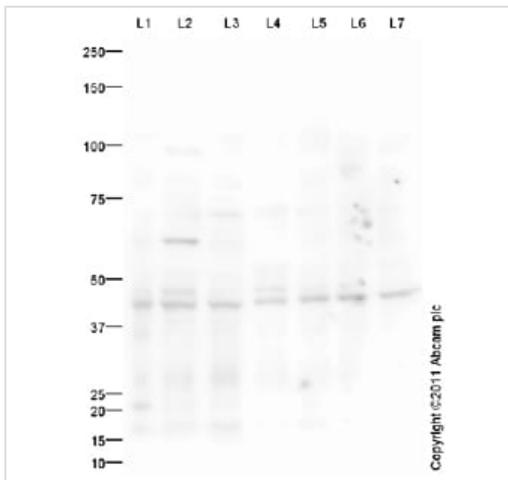
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アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 44 kDa (predicted molecular weight: 44 kDa).

ターゲット情報

機能	<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>
組織特異性	<p>Expressed specifically in dorsal root ganglion and trigeminal ganglion neurons. Detected at low levels in spinal cord.</p>
関連疾患	<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>
配列類似性	<p>Belongs to the two pore domain potassium channel (TC 1.A.1.8) family.</p>
翻訳後修飾	<p>Phosphorylation of Ser-252 is required for the binding of 14-3-3beta/YWHAH. Calcineurin-mediated dephosphorylation of Ser-264 enhances channel activity. N-glycosylated.</p>
細胞内局在	<p>Cell membrane.</p>

画像



Western blot - Anti-KCNK18/TRESK antibody
(ab96868)

All lanes : Anti-KCNK18/TRESK antibody (ab96868) at 1 µg/ml

Lane 1 : Forebrain (Mouse) Tissue Lysate

Lane 2 : Cerebellum Mouse Tissue Lysate

Lane 3 : Hippocampus (Mouse) Tissue Lysate

Lane 4 : Spinal Cord (Mouse) Tissue Lysate

Lane 5 : Brain (Mouse) Tissue Lysate

Lane 6 : Brain (Rat) Tissue Lysate

Lane 7 : Rat Cortex Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed
(**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 44 kDa

Observed band size: 44 kDa

Additional bands at: 47 kDa, 63 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 20 minutes

KCNK18/TRESK contains a potential glycosylation site (SwissProt) which may explain the bands observed at 47 kDa.

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