


Product datasheet

Anti-Kv2.1 (phospho S805) antibody ab111552

画像数 1

製品の概要

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| 製品名 | Anti-Kv2.1 (phospho S805) antibody |
| 製品の詳細 | Rabbit polyclonal to Kv2.1 (phospho S805) |
| 特異性 | ab111552 detects endogenous levels of Kv2.1 only when phosphorylated at serine 805 (Human: Ser805; Mouse: Ser804; Rat: Ser804). |
| アプリケーション | 適用あり: WB |
| 種交差性 | 交差種: Human 交差が予測される動物種: Mouse, Rat  |
| 免疫原 | Synthetic phosphopeptide derived from Human Kv2.1 around the phosphorylation site of Serine 805 (P-T-S ^P -P-K). |
| ポジティブ・コントロール | Extracts from K562 cells treated with TNF (200ng/ml 30mins) |

製品の特性

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| 製品の状態 | Liquid |
| 保存方法 | Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C. |
| バッファー | pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, 49% PBS, 0.88% Sodium chloride |
| 精製度 | Immunogen affinity purified |
| 特記事項 (精製) | ab111552 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| 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

Our [Abpromise guarantee](#) covers the use of **ab111552** in the following tested applications.

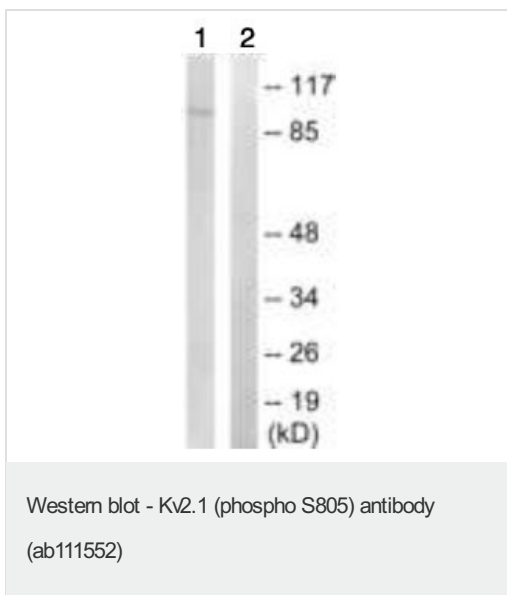
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| アプリケーション | Abreviews | 特記事項 |
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ターゲット情報

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| 機能 | Mediates the voltage-dependent potassium ion permeability of excitable membranes. Channels open or close in response to the voltage difference across the membrane, letting potassium ions pass in accordance with their electrochemical gradient. |
| 配列類似性 | Belongs to the potassium channel family, B (Shab) (TC 1.A.1.2) subfamily, Kv2.1/KCNB1 sub-subfamily. |
| ドメイン | The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position. The tail may be important in modulation of channel activity and/or targeting of the channel to specific subcellular compartments. |
| 翻訳後修飾 | Highly phosphorylated on serine residues in the C-terminal. Differential phosphorylation on a subset of serines allows graded activity-dependent regulation of channel gating. Phosphorylation on Ser-457, Ser-541, Ser-567, Ser-607, Ser-656 and Ser-720 as well as the N-terminal Ser-15 are all regulated by calcineurin-mediated dephosphorylation. Particularly, Ser-607 and Tyr-128 are significant sites of voltage-gated regulation through phosphorylation/ dephosphorylation activities. Tyr-128 can be dephosphorylated by PTPalpha and cyt-PTPepsilon. Phosphorylation levels on Ser-607 are supersensitive to neuronal activity. Phosphorylation on Ser-567 is reduced during postnatal development with low levels at P2 and P5. Levels then increase to reach adult levels by P14. Phosphorylation levels on Ser-564 and Ser-607 are greatly reduced during seizures, by 40% and 85% respectively. |
| 細胞内局在 | Membrane. |

Anti-Kv2.1 (phospho S805) antibody 画像



All lanes : Anti-Kv2.1 (phospho S805) antibody (ab111552) at 1/500 dilution

Lane 1 : Extracts from K562 cells treated with TNF (200ng/ml 30mins)

Lane 2 : Extracts from K562 cells treated with TNF (200ng/ml 30mins) with immunising peptide at 10 µg

Lysates/proteins at 30 µg per lane.

Predicted band size : 96 kDa

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