


Product datasheet

Anti-KCNC3 antibody ab66637

製品の概要

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| 製品名 | Anti-KCNC3 antibody |
| 製品の詳細 | Rabbit polyclonal to KCNC3 |
| アプリケーション | 適用あり: WB, IHC-P, IHC-Fr |
| 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 peptide derived from N terminal domain of (human) KCNC3. |

製品の特性

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| 製品の状態 | Liquid |
| 保存方法 | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| バッファー | Preservative: None Constituents: Whole serum |
| 精製度 | Whole antiserum |
| 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 **ab66637** 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 |
|----------|-----------|---|
| WB | | 1/500 - 1/5000. Predicted molecular weight: 81 kDa. |
| IHC-P | | Use at an assay dependent concentration. |
| IHC-Fr | | Use at an assay dependent concentration. |

ターゲット情報

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| 機能 | This protein mediates the voltage-dependent potassium ion permeability of excitable |
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membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient.

関連疾患

Defects in KCNC3 are the cause of spinocerebellar ataxia type 13 (SCA13) [MIM:605259]. Spinocerebellar ataxia is a clinically and genetically heterogeneous group of cerebellar disorders. Patients show progressive incoordination of gait and often poor coordination of hands, speech and eye movements, due to degeneration of the cerebellum with variable involvement of the brainstem and spinal cord. SCA13 is an autosomal dominant cerebellar ataxia (ADCA) characterized by slow progression and variable age at onset, ranging from childhood to late adulthood. Mental retardation can be present in some patients.

配列類似性

Belongs to the potassium channel family. C (Shaw) (TC 1.A.1.2) subfamily. Kv3.3/KCNC3 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.

細胞内局在

Membrane.

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