

Product datasheet

Anti-PDE4D5 antibody ab14626

製品の概要

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| 製品名 | Anti-PDE4D5 antibody |
| 製品の詳細 | Rabbit polyclonal to PDE4D5 |
| 由来種 | Rabbit |
| 特異性 | This antibody does not cross-react with other members of the PDE4D family or with other PDE4 proteins (PDE4A, B and C) or with other PDE family members. |
| アプリケーション | 適用あり: WB |
| 種交差性 | 交差種: Mouse, Rat, Human |
| 免疫原 | A 20 amino acid synthetic peptide (unfortunately, the amino acid sequence is considered to be commercially sensitive) (N terminal). |
| ポジティブ・コントロール | Rat cortical membranes. |

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 +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 |
| 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

Our [Abpromise guarantee](#) covers the use of **ab14626** 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 | | 1/200 - 1/250. Detects a band of approximately 105 kDa. |

関連性

Cyclic AMP-dependent Phosphodiesterase 4 type D (PDE4D) family includes 5 variants (PDE4D1, D2, D3, D4 and D5). One or more PDE4D subtype-variants are ubiquitously present in all mammalian cells. In CNS all five PDE4D subtype-variants are expressed in varying ratios and their activity is regulated in tandem with GPCRs stimulation and selective phosphorylation by PKA and other kinases. Peripheral tissues also exhibit differential expression of PDE4D variants. PDE4D1/D2 mRNA levels rise in response to an increase in cAMP. Short-term regulation of PDE4D variants involved PKA, MAP kinases and Erk2 phosphorylation that results in rapid change in their enzymatic activities. Other regulatory mechanisms involved protein-protein interactions with cytoskeletal scaffolding proteins.

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