

Product datasheet

Anti-RGS4 antibody ab9964

7 References [画像数 1](#)

製品の概要

製品名	Anti-RGS4 antibody
製品の詳細	Rabbit polyclonal to RGS4
由来種	Rabbit
アプリケーション	<b>適用あり:</b> IHC-P, WB
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	Peptide: N- LRSAKDMKHRLGFL -C (aa 13-26) fused to rabbit serum albumin. <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
ポジティブ・コントロール	WB: human frontal cortex lysate (see Erdely et al)

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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 **ab9964** in the following tested applications.

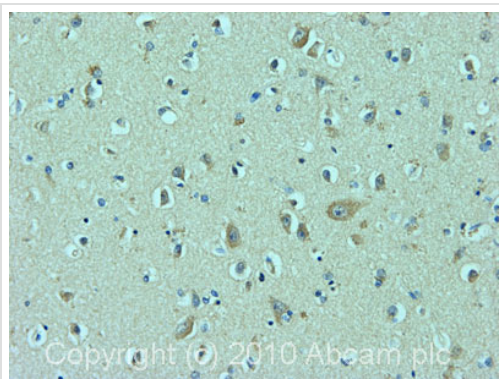
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
IHC-P		Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/500. Detects a band of approximately 28, 40 kDa (predicted molecular weight: 28 kDa). (see Erdely et al and recommended protocol). Block membrane in 5% milk and incubate antibody overnight in TBST containing 1% milk. Erdely HA et al noted that "...a much lighter intensity band was also detected at approximately 40 kDa, which unlike the band at 28 kDa, was not blocked by the blocking peptide. Therefore, the 40 kDa band was considered to be nonspecific."

## ターゲット情報

機能	Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Activity on G(z)-alpha is inhibited by phosphorylation of the G-protein. Activity on G(z)-alpha and G(i)-alpha-1 is inhibited by palmitoylation of the G-protein.
関連疾患	Genetic variation in RGS4 is associated with susceptibility to schizophrenia type 9 (SCZD9) [MIM:604906]. A complex, multifactorial psychotic disorder or group of disorders characterized by disturbances in the form and content of thought (e.g. delusions, hallucinations), in mood (e.g. inappropriate affect), in sense of self and relationship to the external world (e.g. loss of ego boundaries, withdrawal), and in behavior (e.g. bizarre or apparently purposeless behavior). Although it affects emotions, it is distinguished from mood disorders in which such disturbances are primary. Similarly, there may be mild impairment of cognitive function, and it is distinguished from the dementias in which disturbed cognitive function is considered primary. Some patients manifest schizophrenic as well as bipolar disorder symptoms and are often given the diagnosis of schizoaffective disorder.
配列類似性	Contains 1 RGS domain.
翻訳後修飾	Palmitoylated on Cys-2 and/or Cys-12. Phosphorylated by cyclic GMP-dependent protein kinase.

## 画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - RGS4 antibody (ab9964)

IHC image of ab9964 staining in human normal cerebral cortex formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab9964, 1/1000 dilution, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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