

## Product datasheet

# Anti-RGS3 antibody ab2564

### 画像数 1

#### 製品の概要

製品名	Anti-RGS3 antibody
製品の詳細	Rabbit polyclonal to RGS3
由来種	Rabbit
アプリケーション	適用あり: IP, WB
種交差性	交差種: Human
免疫原	E. coli expressed human RGS 3 isoform 1 (amino acids 401-519).

#### 特記事項

RGS 3 (Regulator of G protein Signaling 3) is widely expressed in many tissues and cells. The protein contains an RGS domain near the carboxy terminus that serves as a GTPase activating protein (GAP). RGS 3 negatively regulates the activation of G $\alpha$  and G $\alpha$  q. A truncated RGS 3 (RGS 3T), with its N-terminal 313 residues removed, has been shown to negatively regulate acenyl cyclase and PLC. RGS 3T may be localized in the nucleus and RGS 3 is found in cytoplasm. Translocation to the membrane is important for the RGS proteins to interact with heterotrimeric G proteins.

#### 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.
バッファー	PBS pH7.2 with 50% glycerol, 1% BSA and 0.02% sodium azide
精製度	Immunogen affinity purified
一次抗体 備考	RGS 3 (Regulator of G protein Signaling 3) is widely expressed in many tissues and cells. The protein contains an RGS domain near the carboxy terminus that serves as a GTPase activating protein (GAP). RGS 3 negatively regulates the activation of G $\alpha$ and G $\alpha$ q. A truncated RGS 3 (RGS 3T), with its N-terminal 313 residues removed, has been shown to negatively regulate acenyl cyclase and PLC. RGS 3T may be localized in the nucleus and RGS 3 is found in cytoplasm. Translocation to the membrane is important for the RGS proteins to interact with heterotrimeric G proteins.
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 **ab2564** in the following tested applications.

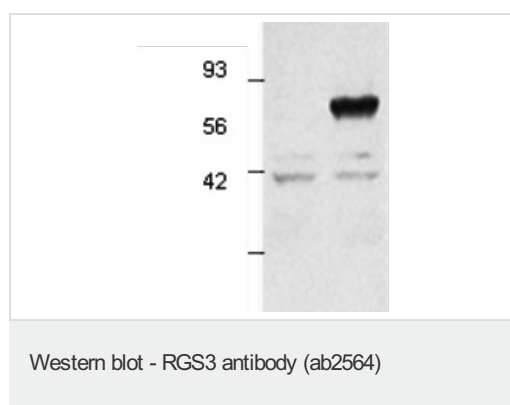
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
IP		Use at an assay dependent concentration.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 70 kDa (predicted molecular weight: 132 kDa).

## ターゲット情報

機能	Down-regulates signaling from heterotrimeric G-proteins by increasing the GTPase activity of the alpha subunits, thereby driving them into their inactive GDP-bound form. Down-regulates G-protein-mediated release of inositol phosphates and activation of MAP kinases.
配列類似性	Contains 1 C2 domain. Contains 1 PDZ (DHR) domain. Contains 1 RGS domain.
翻訳後修飾	Phosphorylated by cyclic GMP-dependent protein kinase. ISGylated.
細胞内局在	Cytoplasm. Nucleus. Cell membrane. Long isoforms are cytoplasmic and associated with the plasma membrane. Short isoforms are nuclear.

## 画像



**Lane 1** : Anti-RGS3 antibody (ab2564)

**Lane 2** : Anti-RGS3 antibody (ab2564) at 1 µg/ml

**Lane 1** : mock

**Lane 2** : transfected HEK293 cells (right lane)

**Predicted band size:** 132 kDa

**Observed band size:** 70 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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