

## Product datasheet

# Anti-RGS9 antibody ab97702

画像数 1

### 製品の概要

製品名	Anti-RGS9 antibody
製品の詳細	Rabbit polyclonal to RGS9
由来種	Rabbit
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: Rat, Horse, Guinea pig, Cat 
免疫原	Synthetic peptide corresponding to a region within internal sequence amino acids 624-673 of Human RGS9 (NP_003826) <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
ポジティブ・コントロール	Human fetal spleen lysate

### 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. Avoid freeze / thaw cycles.
バッファー	Preservative: None Constituents: 2% Sucrose, PBS
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 **ab97702** in the following tested applications.

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

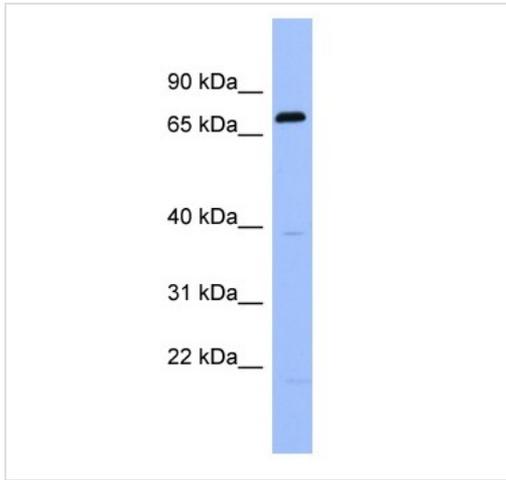
アブリケーション	Abreviews	特記事項
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WB Use a concentration of 1 µg/ml. Predicted molecular weight: 77 kDa. Optimal concentration of antibody depends the protein level in a given sample. Our recommended concentrations are the starting point for general use. Customers are advised have to do a series of titration tests to determine optimal concentration. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

## 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. Binds to G(t)-alpha. Involved in phototransduction; key element in the recovery phase of visual transduction.
組織特異性	Highly expressed in the caudate and putamen, lower levels found in the hypothalamus and nucleus accumbens and very low levels in cerebellum. Not expressed in globus pallidus or cingulate cortex. Isoform 2 is expressed predominantly in pineal gland and retina. Isoform 3 is expressed in retina (abundant in photoreceptors).
関連疾患	Defects in RGS9 are a cause of prolonged electroretinal response suppression (PERRS) [MIM:608415]; also known as bradyopsia. PERRS is characterized by difficulty adjusting to sudden changes in luminance levels mediated by cones.
配列類似性	Contains 1 DEP domain. Contains 1 G protein gamma domain. Contains 1 RGS domain.
ドメイン	In photoreceptor cells the DEP domain is essential for targeting RGS9 to the outer rod segments.
翻訳後修飾	Retinal isoform 3 is light-dependent phosphorylated at 'Ser-478'. Phosphorylation is decreased by light exposition.
細胞内局在	Membrane. Isoform 3 is targeted to the membrane via its interaction with RGS9BP.

## 画像



Western blot - Anti-RGS9 antibody (ab97702)

Anti-RGS9 antibody (ab97702) at 1 µg/ml (in 5% skim milk / PBS buffer) + human fetal spleen lysate at 10 µg

**Secondary**

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

**Predicted band size: 77 kDa**

12% Gel concentration

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

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