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## Datasheet for ABIN2627630 **anti-RGS antibody (AA 624-638)**

### Overview

Quantity:	100 µg
Target:	RGS
Binding Specificity:	AA 624-638
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGS antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human RGS9(624-638aa LKSKRVANFFQIKMD), different from the related mouse and rat sequences by three amino acids.
Isotype:	IgG
Specificity:	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).
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Purification:	Immunogen affinity purified

## Target Details

Target:	RGS
Alternative Name:	RGS9 ( <a href="#">RGS Products</a> )
Background:	Name/Gene ID: RGS9 Family: Regulator of G-protein signalling  Synonyms: RGS9, PERRS, RGS9L
Gene ID:	8787
Pathways:	<a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a> , <a href="#">Phototransduction</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Reconstitution:	Distilled water
Concentration:	Lot specific
Buffer:	Contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Thimerosal, 0.05 mg sodium azide per 100 µg antibody.
Preservative:	Sodium azide, Thimerosal (Merthiolate)
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for 1 year. After reconstitution, at 4°C for 1 month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid freeze-thaw cycles.