

## Anti-R9AP/RGS9BP Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P105064

### Product Information

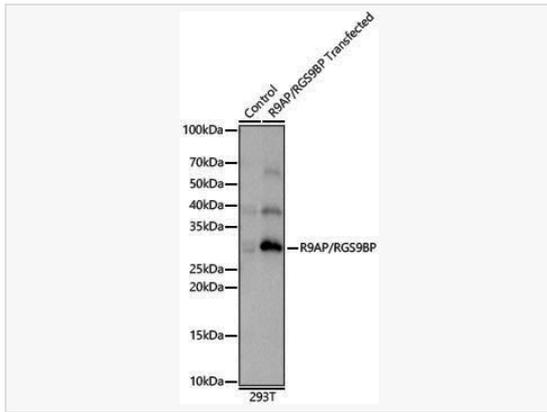
Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant Protein corresponding to a sequence within amino acids 1-107 of human R9AP/RGS9BP(NP_997274.2).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-R9AP/RGS9BP Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	R9AP; RGS9; PERRS; R9AP/RGS9BP.
Calculated MW	Calculated MW: 25 kDa; Observed MW: 30 kDa
Uniprot ID	Q6ZS82
Gene ID	388531
Background	The protein encoded by this gene functions as a regulator of G protein-coupled receptor signaling in phototransduction. Studies in bovine and mouse show that this gene is expressed only in the retina, and is localized in the rod outer segment membranes. This protein is associated with a heterotetrameric complex, specifically interacting with the regulator of G-protein signaling 9, and appears to function as the membrane anchor for the other largely soluble interacting partners. Mutations in this gene are associated with prolonged electroretinal response suppression (PERRS), also known as bradyopsia.

## Validation Images

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Western blot analysis of lysates from wild type (WT) and 293T cells transfected with R9AP/RGS9BP using R9AP/RGS9BP Rabbit pAb (P105064) at 1:400 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.

Lysates/proteins: 25  $\mu$ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Kit.

Exposure time: 15s.