

GRK6 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7132a**Specification**

GRK6 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P43250](#)**GRK6 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 2870**Other Names**

G protein-coupled receptor kinase 6, G protein-coupled receptor kinase GRK6, GRK6, GPRK6

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7132a](/product/products/AP7132a) was selected from the N-term region of human GRK6. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GRK6 Antibody (N-term) Blocking Peptide - Protein Information**Name** GRK6**Synonyms** GPRK6**Function**

Specifically phosphorylates the activated forms of G protein-coupled receptors. Such receptor phosphorylation initiates beta-arrestin-mediated receptor desensitization, internalization, and signaling events leading to their desensitization. Seems to be involved in the desensitization of D2-like dopamine receptors in striatum and chemokine receptor CXCR4 which is critical for CXCL12-induced cell chemotaxis (By similarity). Phosphorylates rhodopsin (RHO) (in vitro) and a non G-protein-coupled receptor: LRP6 during Wnt signaling (in vitro).

Cellular Location

Membrane; Lipid-anchor.

Tissue Location

Widely expressed..

GRK6 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

GRK6 Antibody (N-term) Blocking Peptide - Images**GRK6 Antibody (N-term) Blocking Peptide - Background**

GRK6 is a member of the guanine nucleotide-binding protein (G protein)-coupled receptor kinase subfamily of the Ser/Thr protein kinase family. The protein phosphorylates the activated forms of G protein-coupled receptors thus initiating their deactivation.

GRK6 Antibody (N-term) Blocking Peptide - References

Teli, T., et al., Mol. Endocrinol. 19(2):474-490 (2005).Hagen, S.A., et al., Anesthesiology 98(2):343-348 (2003).Miyagawa, Y., et al., Biochem. Biophys. Res. Commun. 300(3):669-673 (2003).Gaudreau, R., et al., J. Biol. Chem. 277(35):31567-31576 (2002).Willets, J.M., et al., J. Biol. Chem. 277(18):15523-15529 (2002).