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GRK6 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP7008a

Specification

GRK6 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P43250

GRK6 Antibody (C-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 AP7008a was selected from the C-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 (C-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 (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

GRK6 Antibody (C-term) Blocking Peptide - Images

GRK6 Antibody (C-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 (C-term) Blocking Peptide - References

Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002).Stoffel, R.H., et al., J. Biol. Chem. 269(45):27791-27794 (1994).Benovic, J.L., et al., J. Biol. Chem. 268(26):19521-19527 (1993).