

GRK6 Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP51246

Specification

GRK6 Antibody - Product Information

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW

WB
P43250
Human, Mouse, Rat
Rabbit
Polyclonal
66 KDa
21 - 80

GRK6 Antibody - Additional Information

Gene ID 2870

Antigen Region

Other Names

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

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human GRK6. The exact sequence is proprietary.

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

GRK6 Antibody - 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 LocationMembrane; Lipid-anchor.

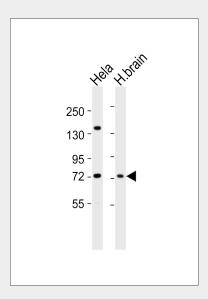
Tissue Location Widely expressed...

GRK6 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

GRK6 Antibody - Images

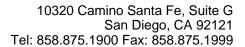


All lanes : Anti-GRK6 Antibody at 1:1000 dilution Lane 1: HeLa whole cell lysates Lane 2: human brain lysates Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 66 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

GRK6 Antibody - Background

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).

GRK6 Antibody - References





Benovic J.L., et al.J. Biol. Chem. 268:19521-19527(1993). Premont R.T., et al.J. Biol. Chem. 274:29381-29389(1999). Schmutz J., et al.Nature 431:268-274(2004). Haribabu B., et al.Proc. Natl. Acad. Sci. U.S.A. 90:9398-9402(1993). Stoffel R.H., et al.J. Biol. Chem. 269:27791-27794(1994).