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GRK6 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51246

Product Information

Application	WB
Primary Accession	P43250
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65991

Additional Information

Gene ID	2870
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

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..

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).

References

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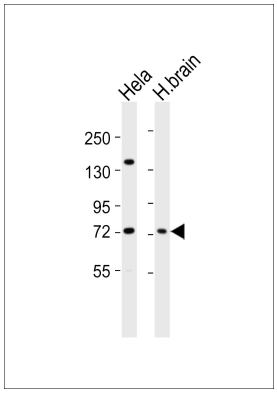
Stoffel R.H.,et al.J. Biol. Chem. 269:27791-27794(1994).

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 µg 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.