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Anti-GRK6 Picoband Antibody

Catalog # ABO12395

Product Information

Application	WB
Primary Accession	P43250
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for G protein-coupled receptor kinase 6(GRK6) detection. Tested with WB in Human;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	2870
Other Names	G protein-coupled receptor kinase 6, 2.7.11.16, G protein-coupled receptor kinase GRK6, GRK6, GPRK6
Calculated MW	65991
Application Details	Western blot, 0.1-0.5 □g/ml, Human, Rat
Subcellular Localization	Membrane; Lipid-anchor.
Tissue Specificity	Widely expressed. .
Source	Eukaryota
Protein Name	G protein-coupled receptor kinase 6
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human GRK6 (382-417aa QSPFQQRKKKIKREEVERLVKEVPEEYSERFSPQAR), different from the related mouse sequence by four amino acids, and from the related rat sequence by three amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated

freezing and thawing.

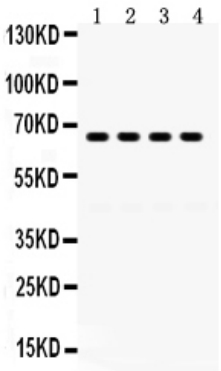
Protein Information

Name	GRK6
Synonyms	GPRK6
Function	Specifically phosphorylates the activated forms of G protein- coupled receptors (PubMed:19423652, PubMed:20048153). Such receptor phosphorylation initiates beta-arrestin-mediated receptor internalization, and signaling events leading to their desensitization (PubMed:19423652, PubMed:20048153). 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 (PubMed:20048153). Phosphorylates rhodopsin (RHO) (in vitro) and a non G protein-coupled receptor: LRP6 during Wnt signaling (in vitro) (PubMed:19801552).
Cellular Location	Membrane; Lipid-anchor.
Tissue Location	Widely expressed..

Background

G protein-coupled receptor kinase 6 is an enzyme that in humans is encoded by the GRK6 gene. It is mapped to 5q35. This gene encodes 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. Several transcript variants encoding different isoforms have been described for this gene. Also, GRK6 appears to be involved in responses to morphine.

Images



Anti- GRK6 Picoband antibody, ABO12395, Western blottingAll lanes: Anti GRK6 (ABO12395) at 0.5ug/mlLane 1: Rat Lung Tissue Lysate at 50ugLane 2: HELA Whole Cell Lysate at 40ugLane 3: K562 Whole Cell Lysate at 40ugLane 4: JURKAT Whole Cell Lysate at 40ugPredicted bind size: 66KDObserved bind size: 66KD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.