

Anti-GRK6 Picoband Antibody
Catalog # ABO12395**Specification**

Anti-GRK6 Picoband Antibody - 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.

Anti-GRK6 Picoband Antibody - 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 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, Rat

Subcellular Localization

Membrane; Lipid-anchor.

Tissue Specificity

Widely expressed. .

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 QSPFQQRKKIKREEVERLVKEVPPEEYSERFSPQAR), 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 reconstitution, 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.

Anti-GRK6 Picoband 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 Location

Membrane; Lipid-anchor.

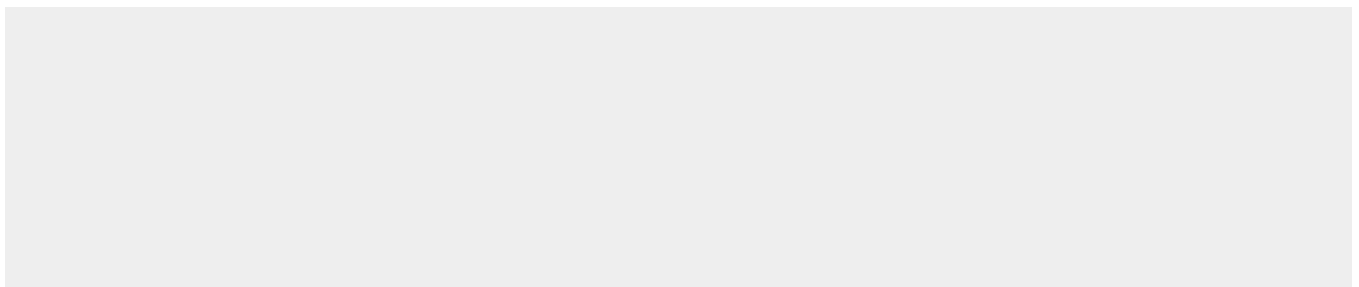
Tissue Location

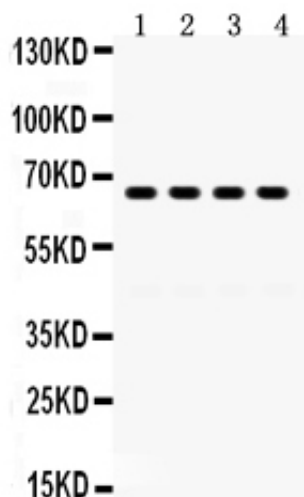
Widely expressed..

Anti-GRK6 Picoband Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-GRK6 Picoband Antibody - Images



Anti- GRK6 Picoband antibody, ABO12395, Western blotting All lanes: Anti GRK6 (ABO12395) at 0.5ug/ml
Lane 1: Rat Lung Tissue Lysate at 50ug
Lane 2: HELA Whole Cell Lysate at 40ug
Lane 3: K562 Whole Cell Lysate at 40ug
Lane 4: JURKAT Whole Cell Lysate at 40ug
Predicted bind size: 66KD
Observed bind size: 66KD

Anti-GRK6 Picoband Antibody - 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.