

Anti-GRK3 Picoband Antibody
Catalog # ABO12368**Specification**

Anti-GRK3 Picoband Antibody - Product Information

Application	WB
Primary Accession	P35626
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Beta-adrenergic receptor kinase 2(ADRBK2) detection. Tested with WB in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-GRK3 Picoband Antibody - Additional Information

Gene ID 157

Other Names

Beta-adrenergic receptor kinase 2, Beta-ARK-2, 2.7.11.15, G-protein-coupled receptor kinase 3 {ECO:0000312|MIM:109636}, GRK3 {ECO:0000312|MIM:109636}, ADRBK2, BARK2

Calculated MW

79710 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human

Protein Name

Beta-adrenergic receptor kinase 2

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human GRK3 (635-669aa ESDPEFVQWKELNETFKEAQRLLRRAPKFLNKPR), different from the related mouse and rat sequences by five 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-GRK3 Picoband Antibody - Protein Information

Name GRK3 ([HGNC:290](#))

Function

Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors.

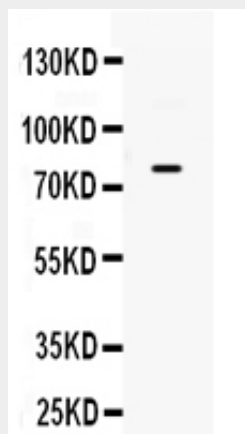
Cellular Location

Postsynapse {ECO:0000250|UniProtKB:P26819}. Presynapse {ECO:0000250|UniProtKB:P26819}

Anti-GRK3 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-GRK3 Picoband Antibody - Images

Anti- GRK Picoband antibody, ABO12368, Western blotting All lanes: Anti GRK3 (ABO12368) at 0.5ug/ml WB: JURKAT Whole Cell Lysate at 40ug Predicted bind size: 80KD Observed bind size: 80KD

Anti-GRK3 Picoband Antibody - Background

Beta-adrenergic receptor kinase 2 (beta-ARK-2), also known as G-protein-coupled receptor kinase 3 (GRK3), is an enzyme that in humans is encoded by the ADRBK2 gene. The

human ADRBK2 gene is located on 22q11. The beta-adrenergic receptor kinase specifically phosphorylates the agonist-occupied form of the beta-adrenergic and related G protein-coupled receptors. Overall, the beta adrenergic receptor kinase 2 has 85% amino acid similarity with beta adrenergic receptor kinase 1, with the protein kinase catalytic domain having 95% similarity. These data suggest the existence of a family of receptor kinases which may serve broadly to regulate receptor function.