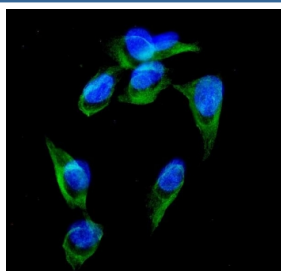


## GRK3 Antibody / ADRBK2 (R32079)

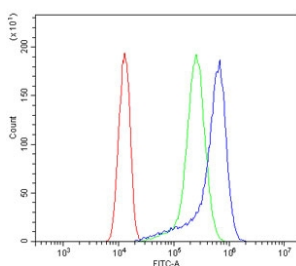
Catalog No.	Formulation	Size
R32079	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

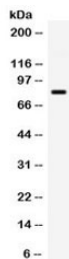
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>UniProt</b>	P35626
<b>Applications</b>	Western Blot : 0.1-0.5ug/ml Immunofluorescence (FFPE) : 2-4ug/ml Flow Cytometry : 1-3ug/million cells
<b>Limitations</b>	This GRK3 antibody is available for research use only.



Immunofluorescent staining of FFPE human U-2 OS cells with GRK3 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Flow cytometry testing of human A431 cells with GRK3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= GRK3 antibody.



Western blot testing of human Jurkat cell lysate with GRK3 antibody. Expected molecular weight ~80 kDa.

## Description

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.

## Application Notes

Optimal dilution of the GRK3 antibody should be determined by the researcher.

## Immunogen

Amino acids ESDPEFVQWKKEINETFKEAQRLRRAPKFLNKPR of human GRK3/ADRBK2 were used as the immunogen for the GRK3 antibody.

## Storage

After reconstitution, the GRK3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.