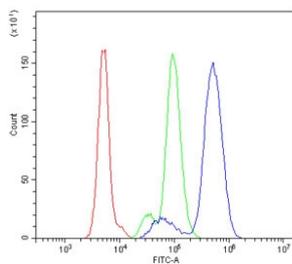


## B-ARK1 Antibody / GRK2 (RQ5815)

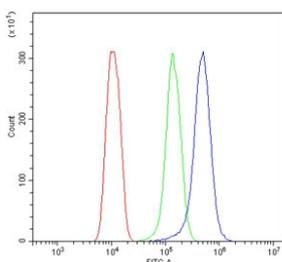
Catalog No.	Formulation	Size
RQ5815	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

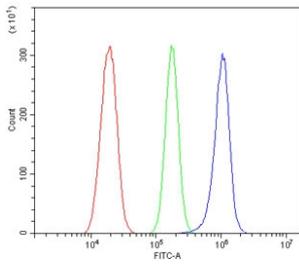
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat, Monkey
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P25098
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Immunofluorescence : 2-4ug/ml
<b>Limitations</b>	This B-ARK1 antibody is available for research use only.



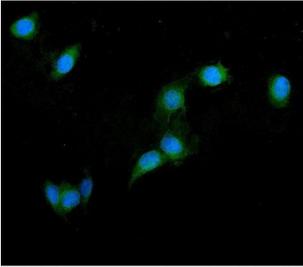
Flow cytometry testing of human U937 cells with B-ARK1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= B-ARK1 antibody.



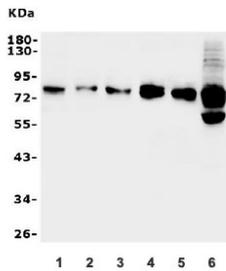
Flow cytometry testing of mouse HEPA1-6 cells with B-ARK1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= B-ARK1 antibody.



Flow cytometry testing of rat RH35 cells with B-ARK1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= B-ARK1 antibody.



Immunofluorescent staining of FFPE human U-2 OS cells with B-ARK1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human ThP-1, 2) monkey COS-7, 3) human Raji, 4) rat lung, 5) mouse NIH 3T3 and 6) mouse RAW264.7 lysate with B-ARK1 antibody. Predicted molecular weight ~79 kDa.

## Description

Beta adrenergic receptor kinase (beta-ARK or BARK) is a serine/threonine intracellular kinase. The product of this gene phosphorylates the beta-2-adrenergic receptor and appears to mediate agonist-specific desensitization observed at high agonist concentrations. This protein is an ubiquitous cytosolic enzyme that specifically phosphorylates the activated form of the beta-adrenergic and related G-protein-coupled receptors. Abnormal coupling of beta-adrenergic receptor to G protein is involved in the pathogenesis of the failing heart.

## Application Notes

Optimal dilution of the B-ARK1 antibody should be determined by the researcher.

## Immunogen

Amino acids KKELRDAYREAQLVQRV from the human protein were used as the immunogen for the B-ARK1 antibody.

## Storage

After reconstitution, the B-ARK1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

