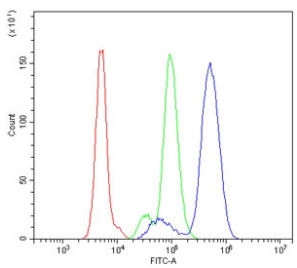
B-ARK1 Antibody / GRK2 (RQ5815)

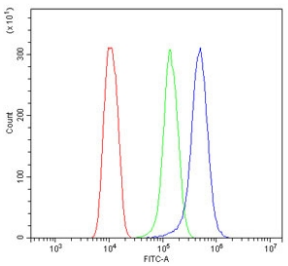
Catalog No.	Formulation	Size
RQ5815	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

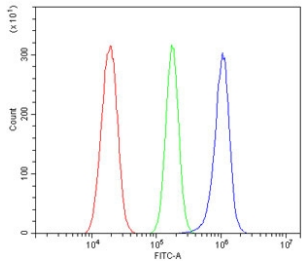
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Monkey
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P25098
Applications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



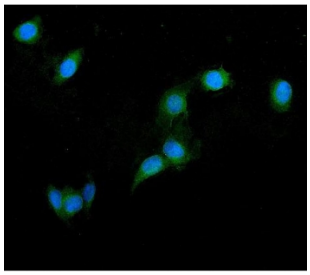
Flow cytometry testing of human U937 cells with B-ARK1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= B-ARK1 antibody.



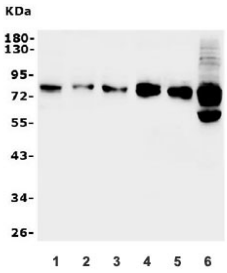
Flow cytometry testing of mouse HEPA1-6 cells with B-ARK1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= B-ARK1 antibody.



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 KKELRDAYREAQQLVQRV 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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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