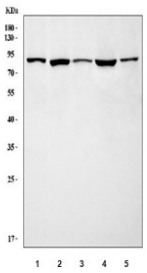
ADRBK2 Antibody / Beta-ARK-2 / GRK3 (RQ7080)

Catalog No.	Formulation	Size
RQ7080	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
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P35626
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This ADRBK2 antibody is available for research use only.



Western blot testing of 1) human HL60, 2) rat brain, 3) rat lung, 4) mouse brain and 5) mouse lung tissue lysate with ADRBK2 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 theADRBK2gene. 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 ADRBK2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids R591-L688) was used as the immunogen for the ADRBK2 antibody.

Storage

After reconstitution, the ADRBK2 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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