

Datasheet for ABIN2784714  
**anti-GRK2 antibody (N-Term)**



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3 Images

## Overview

Quantity:	100 µL
Target:	GRK2 (ADRBK1)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRK2 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ADRBK1
Sequence:	PEPSIRSVMQ KYLEDRGEVT FEKIFSQKLG YLLFRDFCLN HLEEARPLVE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against ADRBK1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	GRK2 (ADRBK1)
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## Target Details

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Alternative Name: [ADRBK1 \(ADRBK1 Products\)](#)

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Background: 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.

Alias Symbols: BARK1, BETA-ARK1, FLJ16718, GRK2

Protein Interaction Partner: UBC, SUMO1, NEDD8, Rapgef3, GNAQ, FBXO25, ADRBK2, ACACA, HSP90AB1, HSP90AA1, GIT1, RASGRF1, MDM2, EPHA2, PEBP1, ADRB2, SNCA, GRM1, GNB1, KCNIP3, ARRB1, HDAC6, Nedd4, CSNK2B, PDGFRB, TPM2, GIT2, PDE6G, CCR4, AKAP12, PDCL, NCS1, MAPK3, PRKACA, CCR5, PIK3CG,

Protein Size: 689

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Molecular Weight: 79 kDa

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Gene ID: 156

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NCBI Accession: [NM\\_001619](#), [NP\\_001610](#)

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UniProt: [P25098](#)

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Pathways: [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [CXCR4-mediated Signaling Events](#), [G-protein mediated Events](#), [Interaction of EGFR with phospholipase C-gamma](#), [Thromboxane A2 Receptor Signaling](#)

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## Application Details

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Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

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Comment: Antigen size: 689 AA

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: Lot specific

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Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

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Preservative: Sodium azide

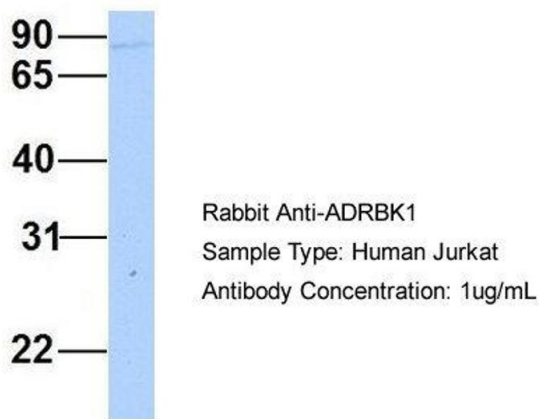
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## Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

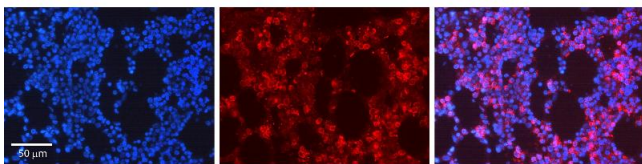
## Images

### ADRBK1



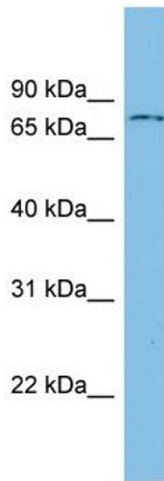
### Western Blotting

**Image 1.** Host: Rabbit Target Name: ADRBK1 Sample Type: Human Jurkat Antibody Dilution: 1.0µg/ml There is BioGPS gene expression data showing that ADRBK1 is expressed in Jurkat



### Immunohistochemistry

**Image 2.** Rabbit Anti-ADRBK1 Antibody Catalog Number: ARP51965\_P050 Formalin Fixed Paraffin Embedded Tissue: Human Bone Marrow Tissue Observed Staining: Cytoplasm, Plasma membrane Primary Antibody Concentration: 1:600 Other Working Concentrations: N/A Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec



### Western Blotting

**Image 3.** WB Suggested Anti-ADRBK1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: HCT15 cell lysate