

## Datasheet for ABIN2784715

# anti-GRK2 antibody (C-Term)

2 Images



Go to Product page

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Quantity:	100 μL
Target:	GRK2 (ADRBK1)
Binding Specificity:	C-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 C terminal region of human ADRBK1
Sequence:	ILQCDSDPEL VQWKKELRDA YREAQQLVQR VPKMKNKPRS PVVELSKVPL
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.
Purification:	Affinity Purified
Target Details	
Target:	GRK2 (ADRBK1)
Alternative Name:	ADRBK1 (ADRBK1 Products)
Alternative Name.	ADRONT (ADRONT Floudets)

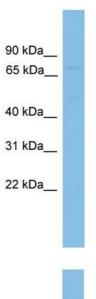
### **Target Details**

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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	
Molecular Weight:	79 kDa	
Gene ID:	156	
NCBI Accession:	NM_001619, NP_001610	
UniProt:	P25098	
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	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 689 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	

#### Handling

	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**



#### **Western Blotting**

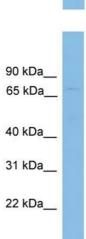
Image 1. WB Suggested Anti-ADRBK1

Antibody Titration: 0.2-1  $\mu$ g/mL ELISA Titer: 1:1562500

Positive Control: PANC1 cell lysate

ADRBK1 is strongly supported by BioGPS gene expression

data to be expressed in Human PANC1 cells



#### **Western Blotting**

Image 2. WB Suggested Anti-ADRBK1 Antibody Titration:

0.2-1 ug/ml

**ELISA Titer:** 1:1562500

Positive Control: PANC1 cell lysate