

Datasheet for ABIN2784715
anti-GRK2 antibody (C-Term)



[Go to Product page](#)

2 Images

Overview

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:	ILQCSDPEL VQWKELRDA YREAQLVQR 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)

Target Details

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 µg/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