Datasheet for ABIN7602826

anti-GRK2 antibody (C-Term)

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Overview

Quantity:	100 µg
Target:	GRK2 (ADRBK1)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-GRK2 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human GRK2, identical to the related mouse and rat sequences.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-GRK2 Antibody Picoband® (ABIN7602826). Tested in Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human, Monkey, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	GRK2 (ADRBK1)
Alternative Name:	GRK2 (ADRBK1 Products)
Background:	Synonyms: Protein Bop, BH3-only protein, Retrotransposon Gag-like protein 10, RTL10, BOP, C22orf29 Tissue Specificity: Ubiquitously expressed. Background: Beta adrenergic receptor kinase (also referred to as βARK 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.
Molecular Weight:	80 kDa
Gene ID:	156
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:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat, Monkey Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human, Mouse, Rat 1. Benovic JL, DeBlasi A, Stone WC, Caron MG, Lefkowitz RJ (1989). "Beta-adrenergic receptor kinase: primary structure delineates a multigene family". Science. 246 (4927): 235-40. 2. Pippig S, Andexinger S, Daniel K, Puzicha M, Caron MG, Lefkowitz RJ, Lohse MJ (1993). "Overexpression of beta-arrestin and beta-adrenergic receptor kinase augment desensitization of beta 2-adrenergic receptors".J. Biol. Chem. 268 (5): 3201-8.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.01 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.