

Datasheet for ABIN950649

anti-ADRBK2 antibody (N-Term)**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	0.4 mL
Target:	ADRBK2
Binding Specificity:	AA 36-65, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADRBK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 36~65 amino acids from the N-terminal region of human ADRBK2
Isotype:	Ig Fraction
Specificity:	This antibody reacts to Beta-ARK-2.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	ADRBK2
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Target Details

Alternative Name:	beta-ARK-2 / ADRBK2 (ADRBK2 Products)
Background:	ADRBK2 is 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.Synonyms: BARK2, Beta-adrenergic receptor kinase 2, G-protein-coupled receptor kinase 3, GRK3
Gene ID:	157
NCBI Accession:	NP_005151
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling , Thromboxane A2 Receptor Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

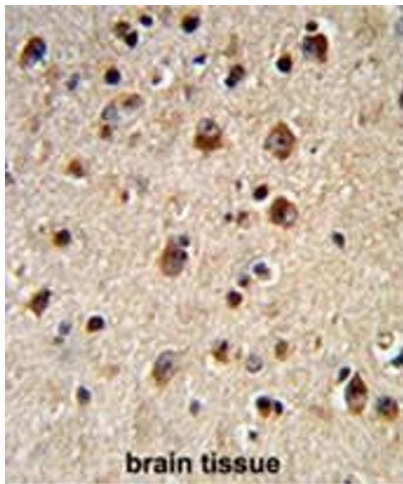
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) sodium azide as preservative
Preservative:	Sodium azide
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 freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Publications

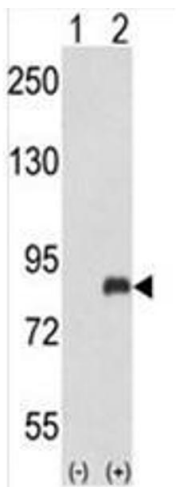
Product cited in:	Rao, Rapoport, Kim: "Decreased GRK3 but not GRK2 expression in frontal cortex from bipolar
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disorder patients." in: **The international journal of neuropsychopharmacology / official scientific journal of the Collegium Internationale Neuropsychopharmacologicum (CINP)**, Vol. 12, Issue 6, pp. 851-60, (2009) ([PubMed](#)).



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human brain tissue reacted with ADRBK2 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of ADRBK2 (arrow) using rabbit polyclonal ADRBK2 Antibody