



Datasheet for ABIN2704864  
**anti-GRK2 antibody (C-Term)**



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3 Images

Overview

Quantity:	200 µL
Target:	GRK2 (ADRBK1)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human GRK2.
Specificity:	Recognizes endogenous levels of GRK2 protein.
Characteristics:	Rabbit polyclonal antibody to GRK2
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	GRK2 (ADRBK1)
Alternative Name:	GRK2 ( <a href="#">ADRBK1 Products</a> )

## Target Details

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Background:	BARK, BARK1, GRK2, Beta-adrenergic receptor kinase 1, Beta-ARK-1, G-protein coupled receptor kinase 2
Gene ID:	156, 25238
UniProt:	<a href="#">P25098</a> , <a href="#">Q99MK8</a> , <a href="#">P26817</a>
Pathways:	<a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">G-protein mediated Events</a> , <a href="#">Interaction of EGFR with phospholipase C-gamma</a> , <a href="#">Thromboxane A2 Receptor Signaling</a>

## Application Details

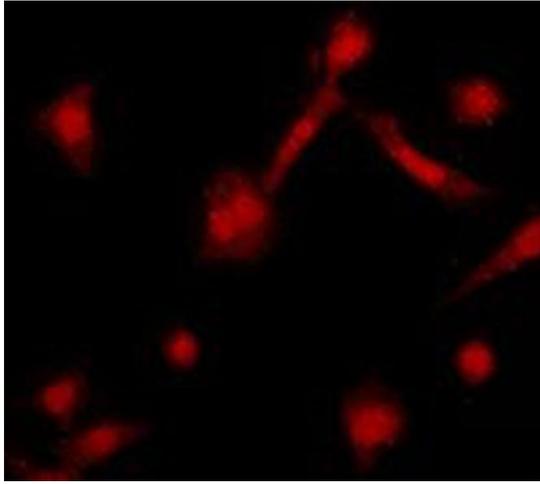
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Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only

## Handling

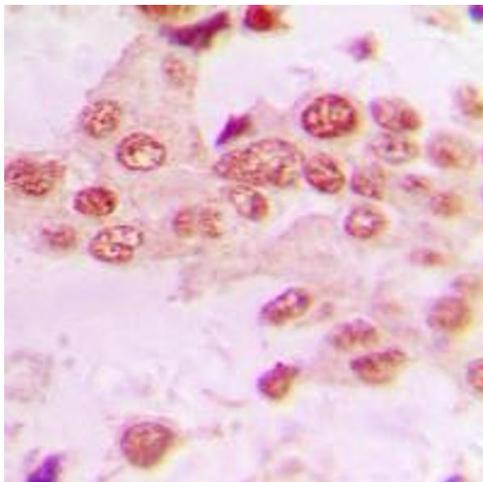
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Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months



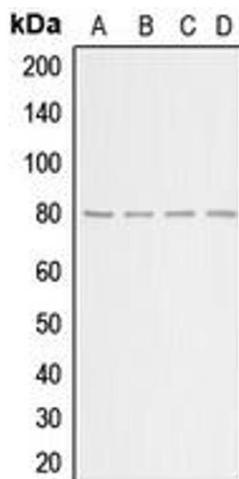
### Immunofluorescence

**Image 1.** Immunofluorescent analysis of GRK2 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



### Immunohistochemistry

**Image 2.** Immunohistochemical analysis of GRK2 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



### Western Blotting

**Image 3.** Western blot analysis of GRK2 expression in HeLa (A), HEK293T (B), NIH3T3 (C), H9C2 (D) whole cell lysates.