

Product datasheet

Anti-GRK3 antibody [EPR2041(2)] ab109303

Recombinant RabMAb

[1 References](#) [5 Images](#)

Overview

Product name	Anti-GRK3 antibody [EPR2041(2)]
Description	Rabbit monoclonal [EPR2041(2)] to GRK3
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: human hepatocellular carcinoma and brain tissue. ICC/IF: Jurkat cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR2041(2)

Isotype

IgG

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab109303 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 80 kDa.
IHC-P		1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. See IHC antigen retrieval protocols For unpurified use at 1/100 - 1/250.
ICC/IF		1/50. For unpurified use at 1/100 - 1/250.

Application notes

Is unsuitable for Flow Cyt or IP.

Target

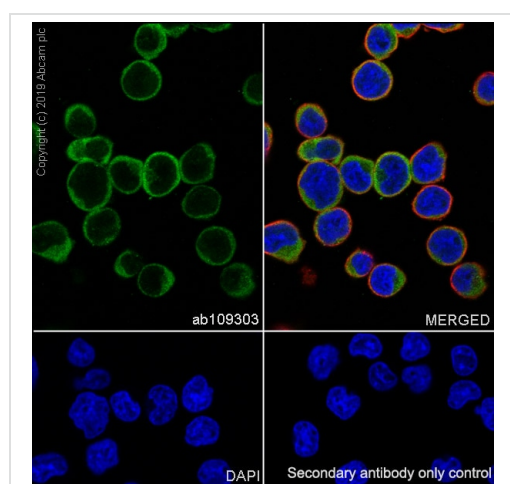
Function

Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors.

Sequence similarities

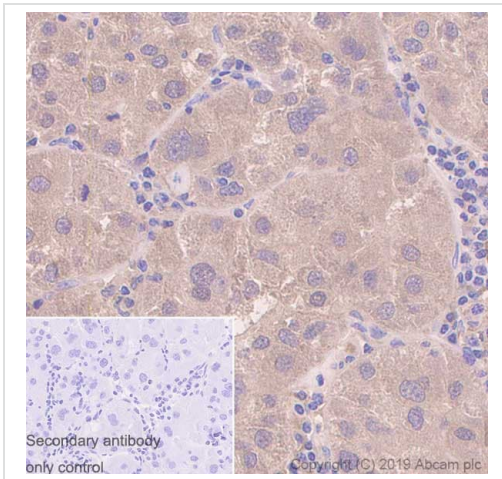
Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. GPRK subfamily. Contains 1 AGC-kinase C-terminal domain.
Contains 1 PH domain.
Contains 1 protein kinase domain.
Contains 1 RGS domain.

Images



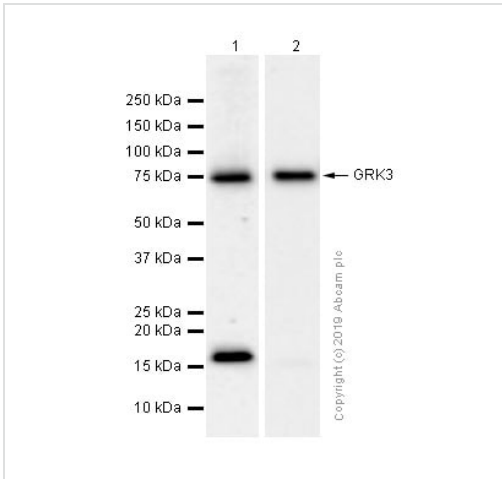
Immunocytochemistry/ Immunofluorescence analysis of Jurkat (Human T cell leukemia T lymphocyte) cells labeling GRK3 with Purified ab109303 at 1:50 dilution (4.6 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

Immunocytochemistry/ Immunofluorescence - Anti-GRK3 antibody [EPR2041(2)] (ab109303)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GRK3 antibody [EPR2041(2)] (ab109303)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human hepatocellular carcinoma tissue sections labeling GRK3 with Purified ab109303 at 1:500 dilution (0.46 µg/ml). Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0). Purified ImmunoHistoProbe one step HRP Polymer (ready to use) was used for detection. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Western blot - Anti-GRK3 antibody [EPR2041(2)] (ab109303)

All lanes : Anti-GRK3 antibody [EPR2041(2)] (ab109303) at 1/10000 dilution (Purified)

Lane 1 : Ramos (Human Burkitt's lymphoma B lymphocyte) whole cell lysates

Lane 2 : MOLT-4 (Human lymphoblastic leukemia T lymphoblast) whole cell lysates

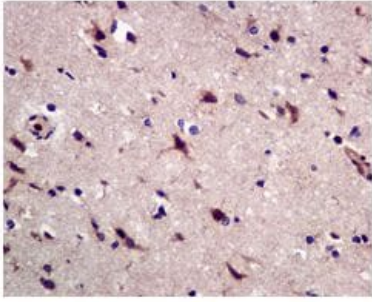
Lysates/proteins at 15 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 80 kDa

Observed band size: 75 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GRK3 antibody [EPR2041(2)] (ab109303)

ab109303, at 1/100 dilution, staining GRK3 in Human brain tissue by immunohistochemistry.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Anti-GRK3 antibody [EPR2041(2)] (ab109303)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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