

Product datasheet

Anti-PRKRIR antibody ab70334

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Overview

Product name	Anti-PRKRIR antibody
Description	Rabbit polyclonal to PRKRIR
Host species	Rabbit
Tested applications	Suitable for: WB, IP, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Rabbit, Horse, Chimpanzee, Rhesus monkey, Gorilla, Orangutan 
Immunogen	Synthetic peptide corresponding to Human PRKRIR. Synthetic peptide (Human) corresponding to a region between residues 150 and 200 of human PRKRIR (NP_004696). Database link: O43422
Positive control	Whole cell lysate from HeLa cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab70334 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		1/2000 - 1/10000. Detects a band of approximately 88 kDa (predicted molecular weight: 88 kDa).
IP		Use a concentration of 1 - 4 µg/ml.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

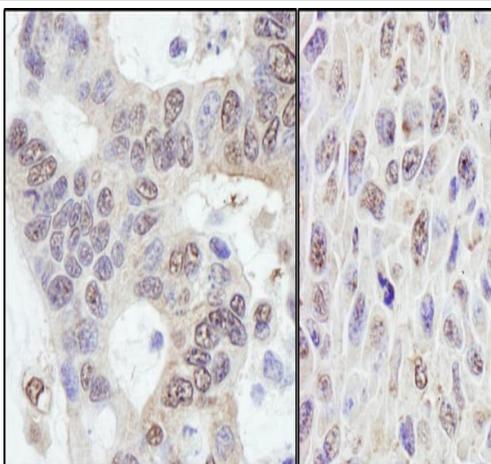
Relevance

PRKRIR is upstream regulator of interferon induced serine/threonine protein kinase R (PKR). It may block the PKR inhibitory function of P58IPK, resulting in the restoration of kinase activity and suppression of cell growth.

Cellular localization

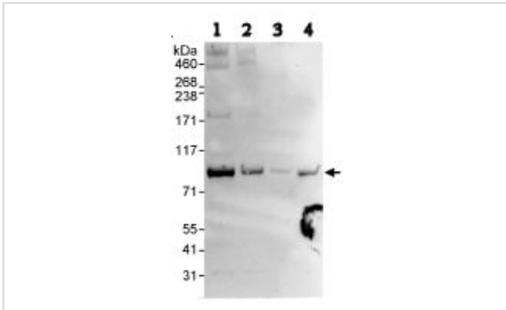
Nucleus

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human ovarian carcinoma (left) and mouse squamous cell carcinoma (right) tissues labelling PRKRIR with ab70334 at 1/1000 (0.2µg/ml) and 1/200 (1µg/ml). Detection: DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRKRIR antibody (ab70334)



Western blot - Anti-PRKRIR antibody (ab70334)

All lanes : Anti-PRKRIR antibody (ab70334) at 0.04 µg/ml

Lane 1 : whole cell lysate of HeLa cells at 50 µg

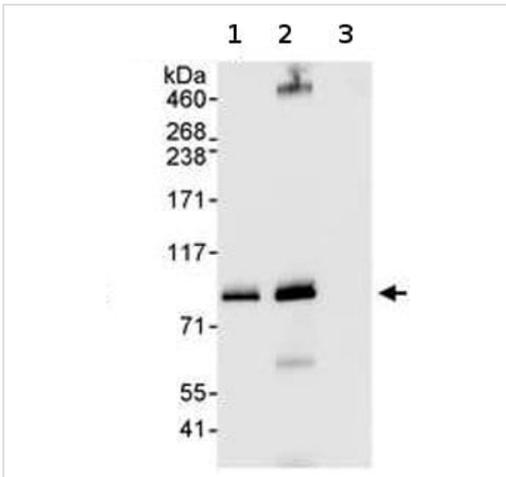
Lane 2 : whole cell lysate of HeLa cells at 15 µg

Lane 3 : whole cell lysate of HeLa cells at 5 µg

Lane 4 : whole cell lysate of NIH3T3 cells at 50 µg

Predicted band size: 88 kDa

Observed band size: 88 kDa



Immunoprecipitation - Anti-PRKRIR antibody (ab70334)

IP/WB - 1 mg whole cell lysate of HeLa cells used, and 1/4 of the reaction loaded.

Lane 1: **ab70333** used at 3µg/ml lysate for IP.

Lane 2: ab70334 used at 3µg/ml lysate for IP.

Lane 3: IgG control.

ab70334 used at at 1µg/ml for the subsequent WB for all lanes.

Detection: Chemiluminescence with an exposure time of 30 seconds.

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

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