


## Product datasheet

# Anti-RTKN/Rhotekin antibody ab154954

★★★★★ [1 Abreviews](#) [2 References](#) [6 Images](#)

### Overview

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<b>Product name</b>	Anti-RTKN/Rhotekin antibody
<b>Description</b>	Rabbit polyclonal to RTKN/Rhotekin
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat 
<b>Immunogen</b>	Recombinant fragment corresponding to Human RTKN/Rhotekin aa 1-141. Database link: <a href="#">Q9BST9</a>
<b>Positive control</b>	WB: 293T, A431, Jurkat, Raji and mouse brain whole cell lysates. A431 cells. ICC/IF: Rhotekin-transfected HeLa cells.
<b>General notes</b>	Keep as concentrated solution.  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.  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

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab154954 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)	1/1000 - 1/10000. Predicted molecular weight: 63 kDa.
ICC/IF		1/100 - 1/1000.

## Target

### Function

Mediates Rho signaling to activate NF-kappa-B and may confer increased resistance to apoptosis to cells in gastric tumorigenesis. May play a novel role in the organization of septin structures.

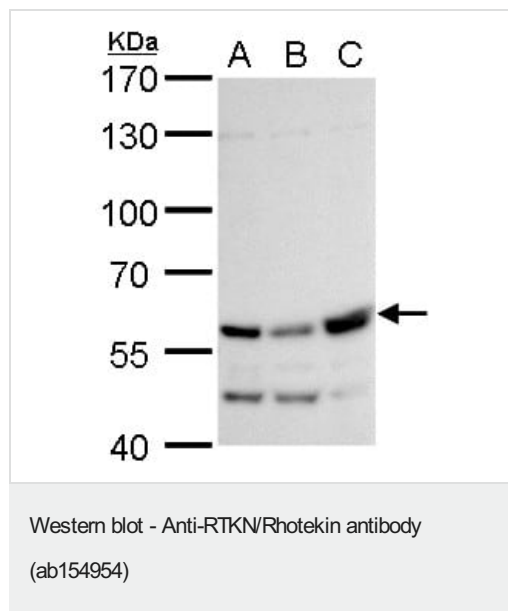
### Tissue specificity

Highly expressed in prostate, moderately in kidney, heart, brain, spleen, testis, placenta, small intestine, pancreas, skeletal muscle and peripheral blood leukocytes, and weakly in ovary, colon and thymus. Weakly expressed in all normal cell lines tested. Overexpressed in various cancer cell lines.

### Sequence similarities

Contains 1 PH domain.  
Contains 1 REM (Hr1) repeat.

## Images



**All lanes** : Anti-RTKN/Rhotekin antibody (ab154954) at 1/5000 dilution

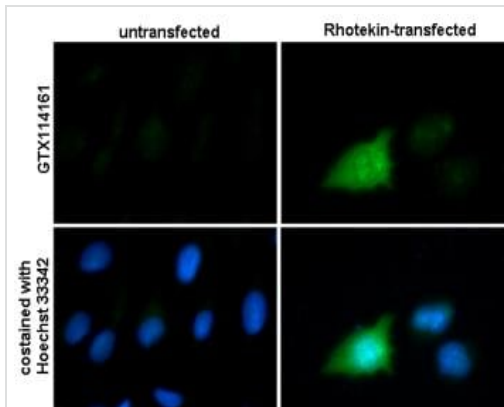
**Lane 1** : Jurkat whole cell lysate

**Lane 2** : Raji whole cell lysate

**Lane 3** : NCI-H929 whole cell lysate

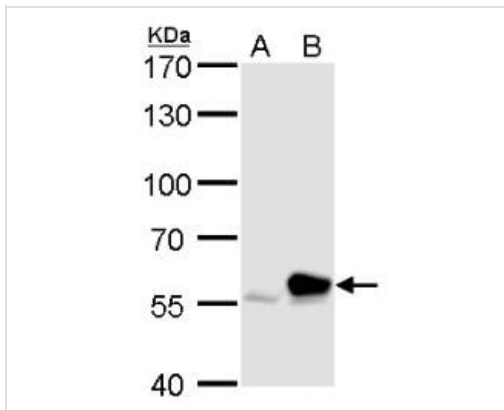
Lysates/proteins at 30 µg per lane.

**Predicted band size:** 63 kDa



Immunocytochemistry/ Immunofluorescence - Anti-RTKN/Rhotekin antibody (ab154954)

Rhotekin-transfected (right) or untransfected (left) HeLa cells were fixed in ice-cold MeOH for 5 min. Stained with ab154954 diluted at 1/500 (green). Nuclear staining using Hoechst 33342 (blue).



Western blot - Anti-RTKN/Rhotekin antibody (ab154954)

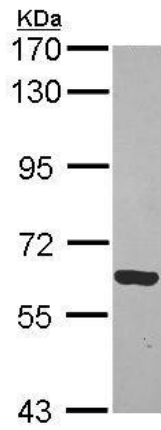
**All lanes** : Anti-RTKN/Rhotekin antibody (ab154954) at 1/500 dilution

**Lane 1** : 293T whole cell lysate

**Lane 2** : human Rhotekin-transfected 293T whole cell lysate

Lysates/proteins at 30  $\mu$ g per lane.

**Predicted band size:** 63 kDa

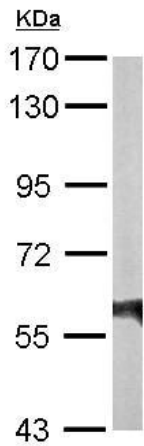


Western blot - Anti-RTKN/Rhotekin antibody  
(ab154954)

Anti-RTKN/Rhotekin antibody (ab154954) at 1/1000 dilution +  
Jurkat whole cell lysate at 30  $\mu$ g

**Predicted band size:** 63 kDa

7.5% SDS PAGE

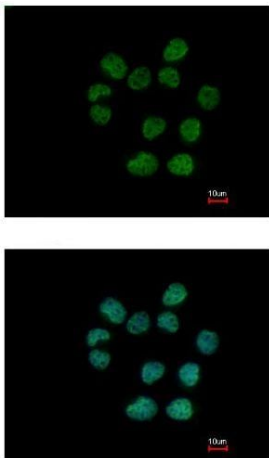


Western blot - Anti-RTKN/Rhotekin antibody  
(ab154954)

Anti-RTKN/Rhotekin antibody (ab154954) at 1/10000 dilution +  
mouse brain whole cell lysate at 20  $\mu$ g

**Predicted band size:** 63 kDa

7.5% SDS PAGE



Immunocytochemistry/ Immunofluorescence - Anti-  
RTKN/Rhotekin antibody (ab154954)

Immunofluorescence analysis of paraformaldehyde-fixed A431 cells  
labeling RTKN/Rhotekin with ab154954 at 1/200 dilution (green).  
The image in the lower panel is costained with Hoechst 33342  
(blue).

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

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