


Anti-RAP2B antibody ab101369

[3 References](#) [2 Images](#)

Overview

Product name	Anti-RAP2B antibody
Description	Rabbit polyclonal to RAP2B
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Cow, Zebrafish 
Immunogen	Recombinant protein fragment containing a sequence corresponding to a region within amino acids 1 and 159 of Human RAP2B (AAH12362)
Positive control	A431 whole cell lysate. H1299 and HepG2 cell lines. CL1-0 Xenograft tissue.
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. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab101369 in the following tested applications.

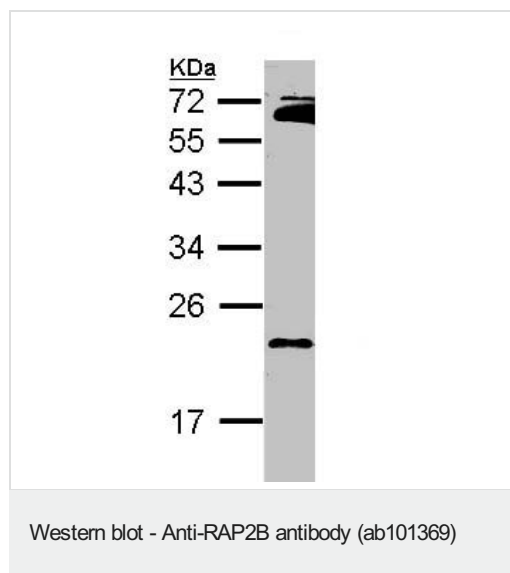
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 21 kDa.
IHC-P		1/100 - 1/500. Antigen retrieval using heat mediated 10mM Citrate buffer or Tris-EDTA buffer pH 8.0 is recommended

Target

Function	Small GTP-binding protein which cycles between a GDP-bound inactive and a GTP-bound active form. Involved in EGFR and CHRM3 signaling pathways through stimulation of PLCE1. May play a role in cytoskeletal rearrangements and regulate cell spreading through activation of the effector TNIK. May regulate membrane vesiculation in red blood cells.
Tissue specificity	Expressed in red blood cells (at protein level).
Sequence similarities	Belongs to the small GTPase superfamily. Ras family.
Domain	The effector domain mediates the interaction with RUNDC3A.
Post-translational modifications	Palmitoylated. Palmitoylation is required for association with recycling endosome membranes and activation of TNIK.
Cellular localization	Recycling endosome membrane. Associated with red blood cells-released vesicles.

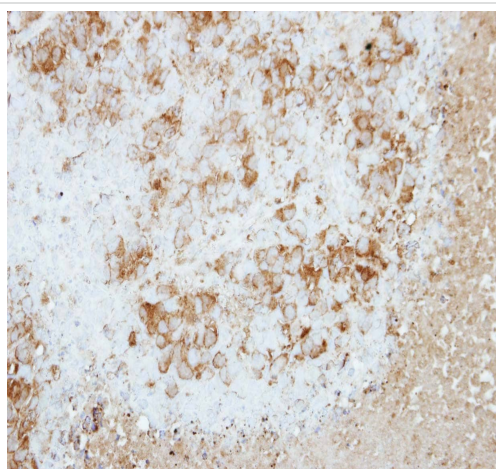
Images



Anti-RAP2B antibody (ab101369) at 1/1000 dilution + A431 whole cell lysate at 30 µg

Predicted band size: 21 kDa

12% SDS page



Immunohistochemical analysis of paraffin-embedded CL1-0 xenograft, using ab101369 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RAP2B antibody (ab101369)

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

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