



Product datasheet

Anti-ARHGAP1 antibody ab224231

12 Images

Overview

Product name	Anti-ARHGAP1 antibody
Description	Rabbit polyclonal to ARHGAP1
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	<p>Recombinant fragment corresponding to Human ARHGAP1 aa 17-138. Sequence:</p> <p>SEALNQLKLASIDEKNWPSDEMPDFPKSDDSKSSSPELV THLKWDDPYD IARHQMEVAGDDKYGRKIIVFSACRMPPSHQLDHSKLLGY LKHTLDQYV ESDYLLYLHHGLTSDNKPSLS</p> <p>Database link: Q07960</p> <p style="text-align: right;">  Run BLAST with  Run BLAST with </p>
Positive control	<p>WB: MCF7, NIH/3T3 and NBT-II cell lysates; human cerebral cortex tissue lysate; mouse cerebral cortex tissue lysate. IHC-P: Mouse dentate gyrus, cingulate cortex, thalamus, motor trigeminal nucleus and paragigantocellular nucleus tissue; human hippocampus and stomach tissue. ICC/IF: U-251 MG cells.</p>
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p>

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, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab224231** in the following tested applications.

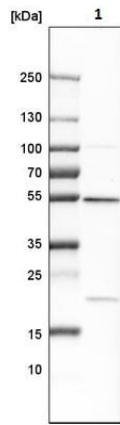
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 50 kDa.
ICC/IF		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.

Target

Function	GTPase activator for the Rho, Rac and Cdc42 proteins, converting them to the putatively inactive GDP-bound state. Cdc42 seems to be the preferred substrate.
Tissue specificity	Ubiquitous.
Sequence similarities	Contains 1 CRAL-TRIO domain. Contains 1 Rho-GAP domain.
Cellular localization	Cytoplasm.

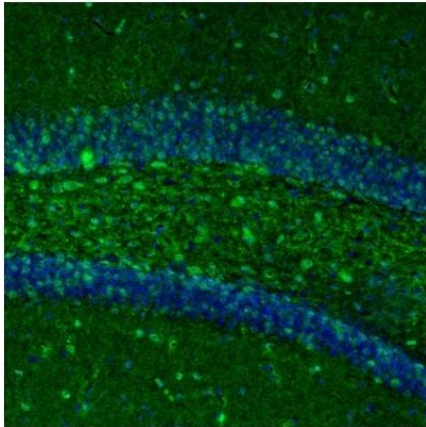
Images



Western blot - Anti-ARHGAP1 antibody (ab224231)

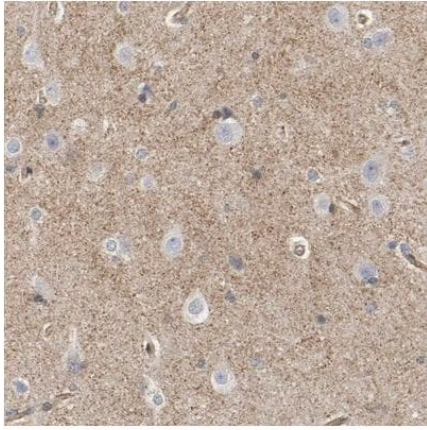
Anti-ARHGAP1 antibody (ab224231) at 100 cells + MCF7 (human breast adenocarcinoma cell line) cell lysate

Predicted band size: 50 kDa



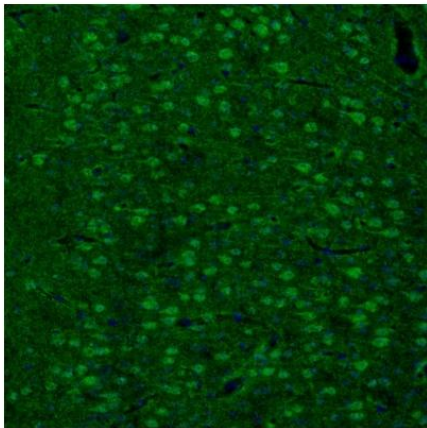
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ARHGAP1 antibody (ab224231)

Paraffin-embedded mouse dentate gyrus stained for ARHGAP1 with ab224231 (1/50) in immunohistochemical analysis.



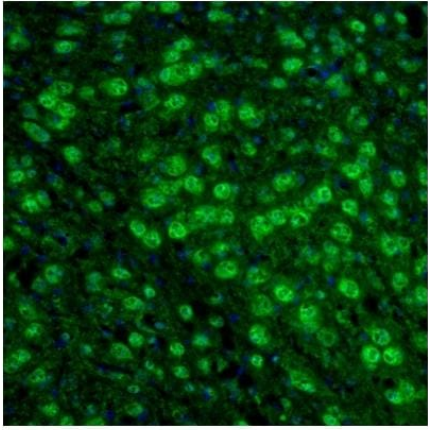
Paraffin-embedded human hippocampus tissue stained for ARHGAP1 with ab224231 (1/50) in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ARHGAP1 antibody (ab224231)



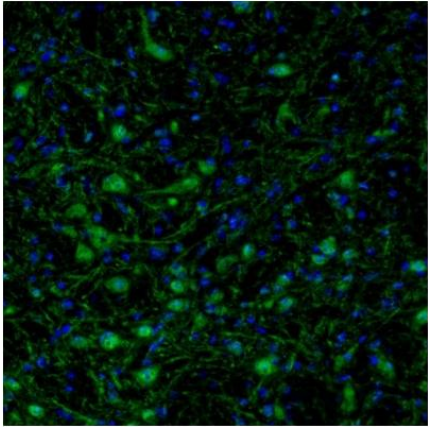
Paraffin-embedded mouse cingulate cortex nucleus stained for ARHGAP1 with ab224231 (1/50) in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ARHGAP1 antibody (ab224231)



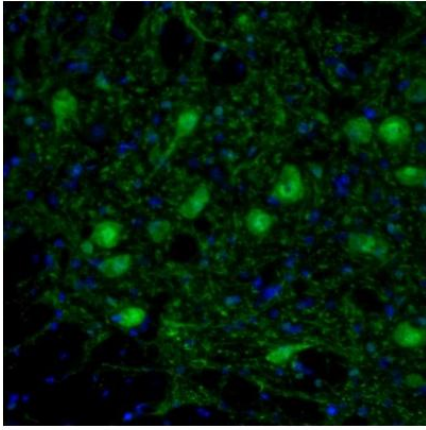
Paraffin-embedded mouse thalamus stained for ARHGAP1 with ab224231 (1/50) in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ARHGAP1 antibody (ab224231)



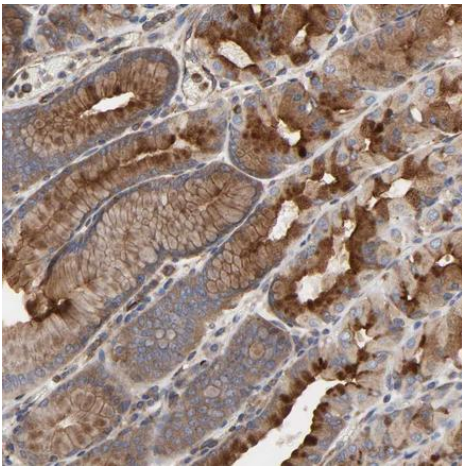
Paraffin-embedded mouse motor trigeminal nucleus stained for ARHGAP1 with ab224231 (1/50) in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ARHGAP1 antibody (ab224231)



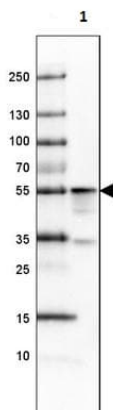
Paraffin-embedded mouse brain tissue stained for ARHGAP1 with ab224231 (1/50) in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ARHGAP1 antibody (ab224231)



Paraffin-embedded human stomach tissue stained for ARHGAP1 with ab224231 (1/50) in immunohistochemical analysis.

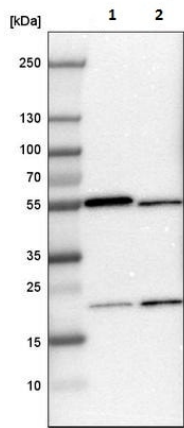
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ARHGAP1 antibody (ab224231)



Anti-ARHGAP1 antibody (ab224231) at 1/100 dilution + Mouse cerebral cortex lysate

Predicted band size: 50 kDa

Western blot - Anti-ARHGAP1 antibody (ab224231)



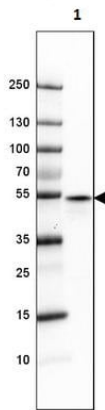
Western blot - Anti-ARHGAP1 antibody (ab224231)

All lanes : Anti-ARHGAP1 antibody (ab224231) at 1/100 dilution

Lane 1 : NIH/3T3 (mouse embryo fibroblast cell line) cell lysate

Lane 2 : NBT-II (rat cell line) cell lysate

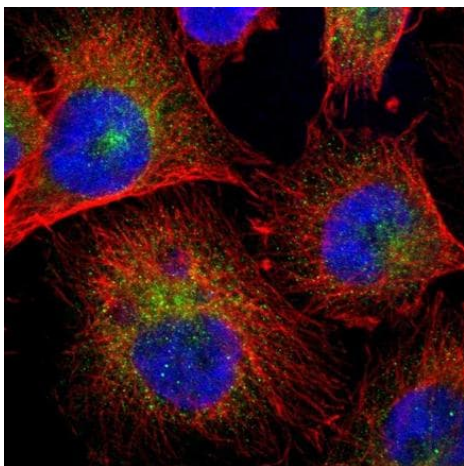
Predicted band size: 50 kDa



Western blot - Anti-ARHGAP1 antibody (ab224231)

Anti-ARHGAP1 antibody (ab224231) at 1/100 dilution + Human cerebral cortex lysate

Predicted band size: 50 kDa



Immunocytochemistry/ Immunofluorescence - Anti-ARHGAP1 antibody (ab224231)

PFA-fixed, Triton X-100 permeabilized U-251 MG (human brain glioma cell line) cells stained for ARHGAP1 (green) using ab224231 (4 μ g/ml) in ICC/IF.

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

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