

## Product datasheet

# Anti-Anillin antibody - C-terminal ab154337

[2 References](#) [6 Images](#)

### Overview

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<b>Product name</b>	Anti-Anillin antibody - C-terminal
<b>Description</b>	Rabbit polyclonal to Anillin - C-terminal
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Synthetic peptide, corresponding to a region within C terminal amino acids 1062-1124 of Human Anillin (Uniprot ID: Q9NQW6).
<b>Positive control</b>	293T and NIH 3T3 whole cell lysates; HeLa cells; Mouse brain, Human U87 xenograft and kidney tissues.
<b>General notes</b>	<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 &amp; 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 &amp; species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications &amp; species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.</p> <p>Applications &amp; 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> <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&amp;As.</p>

### Properties

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<b>Form</b>	Liquid
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<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, 10% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab154337** in the following tested applications.

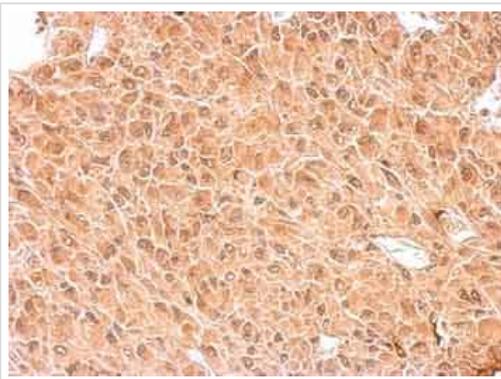
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 124 kDa.
IHC-P		1/100 - 1/1000.
ICC/IF		1/100 - 1/1000.

## Target

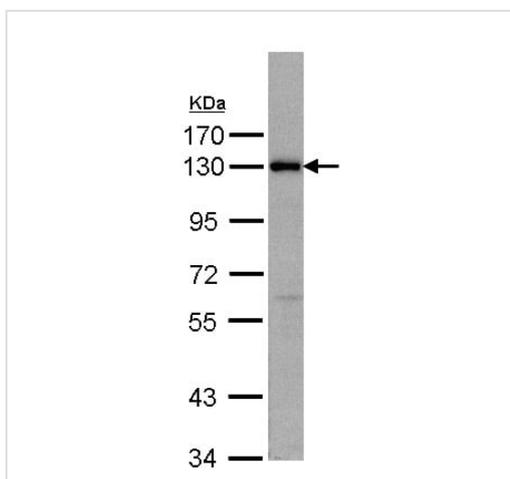
<b>Function</b>	Required for cytokinesis. Essential for the structural integrity of the cleavage furrow and for completion of cleavage furrow ingression.
<b>Tissue specificity</b>	Ubiquitously expressed. Present at highest levels in the brain, at high levels in the placenta and testis, at intermediate levels in the intestine, ovary, skeletal muscle and thymus and at lower levels in heart, kidney, liver, lung, pancreas, prostate and spleen. Overexpressed in many tumor types including breast, colorectal, endometrial, hepatic, kidney, lung, ovarian and pancreatic tumors.
<b>Sequence similarities</b>	Contains 1 PH domain.
<b>Developmental stage</b>	Expressed in fetal brain, heart, kidney, liver, lung, skeletal muscle, spleen and thymus. In dividing cells expression increases during S and G2 phases, peaks at mitosis and subsequently drops as cells enter G1 phase.
<b>Post-translational modifications</b>	Phosphorylated during mitosis. Ubiquitinated, and this requires FZR1/CDH1.
<b>Cellular localization</b>	Nucleus. Cytoplasm > cytoskeleton. Cytoplasm > cell cortex. Mainly found in the nucleus during interphase. Colocalizes with cortical F-actin upon nuclear envelope breakdown in mitosis and subsequently concentrates in the area of the prospective contractile ring in anaphase. This pattern persists until telophase, when the protein becomes concentrated in the midbody.

## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Anillin antibody - C-terminal (ab154337)

Immunohistochemical analysis of Paraffin-embedded Human U87 xenograft tissue, labeling Anillin with ab154337 at 1/500 dilution.

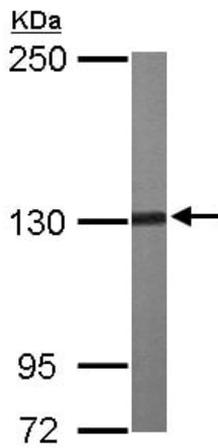


Western blot - Anti-Anillin antibody - C-terminal (ab154337)

Anti-Anillin antibody - C-terminal (ab154337) at 1/500 dilution + 293T whole cell lysate at 30  $\mu$ g

**Predicted band size:** 124 kDa

7.5% SDS PAGE

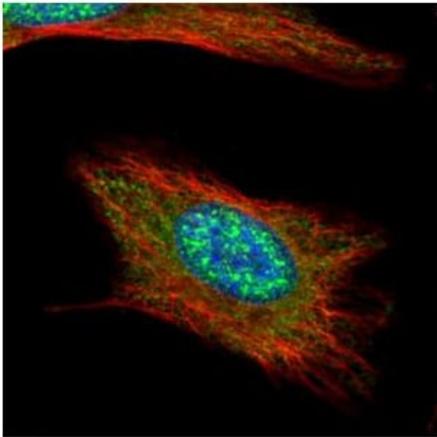


Western blot - Anti-Anillin antibody - C-terminal (ab154337)

Anti-Anillin antibody - C-terminal (ab154337) at 1/500 dilution + NIH 3T3 whole cell lysate at 30  $\mu$ g

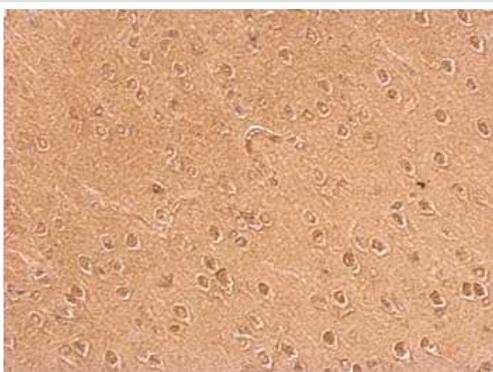
**Predicted band size:** 124 kDa

5% SDS PAGE



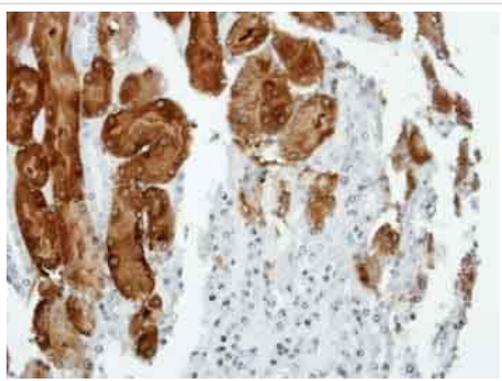
Immunocytochemistry/ Immunofluorescence - Anti-Anillin antibody - C-terminal (ab154337)

Confocal immunofluorescence analysis of methanol-fixed HeLa cells, labeling Anillin with ab154337 at 1/500 dilution (green). Alpha-tubulin filaments are labeled in red.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Anillin antibody - C-terminal (ab154337)

Immunohistochemical analysis of Paraffin-embedded Mouse brain tissue, labeling Anillin with ab154337 at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded Human Kidney tissue, labeling Anillin with ab154337 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Anillin antibody - C-terminal (ab154337)

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

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