


## Product datasheet

# Anti-PHAP1 antibody ab155148

4 Images

### Overview

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<b>Product name</b>	Anti-PHAP1 antibody
<b>Description</b>	Rabbit polyclonal to PHAP1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<p><b>Reacts with:</b> Mouse, Human</p> <p><b>Predicted to work with:</b> Rat, Cow, Dog, Xenopus laevis, Zebrafish, Xenopus tropicalis </p>
<b>Immunogen</b>	Recombinant fragment, corresponding to a region within amino acids 1-178 of Human PHAP1 (UniProt P39687).
<b>Positive control</b>	293T, A431, Jurkat, Raji and mouse brain lysates; A431 cells; Human BT474 xenograft tissue.
<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
<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: 78.99% PBS, 1% BSA, 20% 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 **ab155148** in the following tested applications.

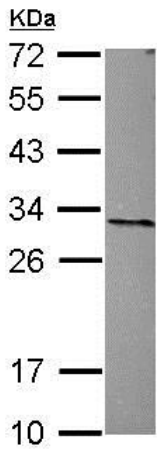
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 28 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol using 10mM Citrate buffer (pH6.0) or Tris-EDTA buffer (pH8.0).
ICC/IF		1/100 - 1/1000.

## Target

<b>Function</b>	Implicated in a number of cellular processes, including proliferation, differentiation, caspase-dependent and caspase-independent apoptosis, suppression of transformation (tumor suppressor), inhibition of protein phosphatase 2A, regulation of mRNA trafficking and stability in association with ELAVL1, and inhibition of acetyltransferases as part of the INHAT (inhibitor of histone acetyltransferases) complex. Plays a role in E4F1-mediated transcriptional repression.
<b>Tissue specificity</b>	Expressed in all tissues tested. Highly expressed in kidney and skeletal muscle, moderate levels of expression in brain, placenta and pancreas, and weakly expressed in lung. Found in all regions of the brain examined (amygdala, caudate nucleus, corpus callosum, hippocampus and thalamus), with highest levels in amygdala.
<b>Sequence similarities</b>	Belongs to the ANP32 family. Contains 4 LRR (leucine-rich) repeats. Contains 1 LRRCT domain.
<b>Post-translational modifications</b>	Phosphorylated on serine residues. The N-terminus is blocked. Some glutamate residues are glycyated by TTL8. This modification occurs exclusively on glutamate residues and results in a glycine chain on the gamma-carboxyl group.
<b>Cellular localization</b>	Nucleus. Cytoplasm. Endoplasmic reticulum. Translocates to the cytoplasm during the process of neuritogenesis (By similarity). Shuttles between nucleus and cytoplasm.

## Images

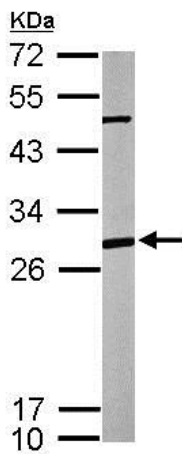


Western blot - Anti-PHAP1 antibody (ab155148)

Anti-PHAP1 antibody (ab155148) at 1/1000 dilution + Raji whole cell lysate at 30  $\mu$ g

**Predicted band size:** 28 kDa

12% SDS PAGE

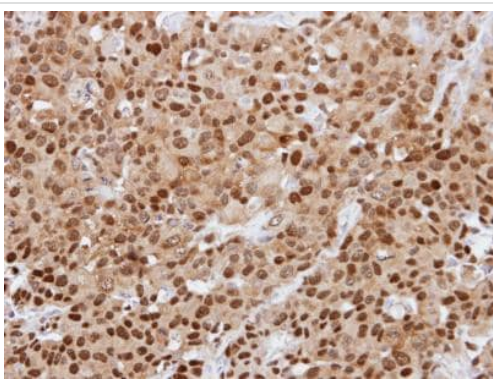


Western blot - Anti-PHAP1 antibody (ab155148)

Anti-PHAP1 antibody (ab155148) at 1/1000 dilution + Mouse brain whole cell lysate at 50  $\mu$ g

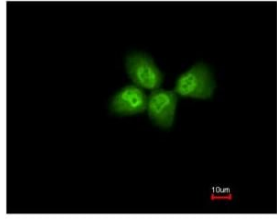
**Predicted band size:** 28 kDa

12% SDS PAGE

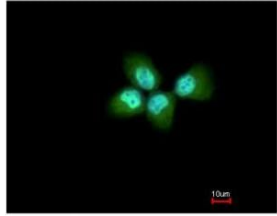


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PHAP1 antibody (ab155148)

Immunohistochemical analysis of paraffin-embedded Human BT474 xenograft tissue labeling PHAP1 with ab155148 at 1/100 dilution.



Immunofluorescent analysis of paraformaldehyde-fixed A431 cells labeling PHAP1 with ab155148 at 1/200 dilution. Lower panel co-stained with Hoechst 33342.



Immunocytochemistry/ Immunofluorescence - Anti-PHAP1 antibody (ab155148)

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

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