

Product datasheet

Anti-PHAP antibody ab5987

3 Images

Overview

Product name	Anti-PHAP antibody
Description	Rabbit polyclonal to PHAP
Host species	Rabbit
Specificity	This antibody cross-reacts with both PHAP I and PHAP III.
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide (Human).
Positive control	Raji whole cell lysate.
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> <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.</p>

Properties

Form	Liquid
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Storage instructions	Shipped at 4°C. Store at +4°C. The product can be stored for up to 12 months.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab5987** 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		
IHC-P		
ICC/IF		

Application notes

IHC-P: Use at a concentration of 10 µg/ml.

WB: Use at a concentration of 0.5 - 2.0 µg/ml. Detects bands of approximately 35 and 32 kDa corresponding to PHAPIII and PHAPI respectively. Two cross reacting bands are also observed below 32 kDa, which may be differentially spliced forms of PHAPI.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

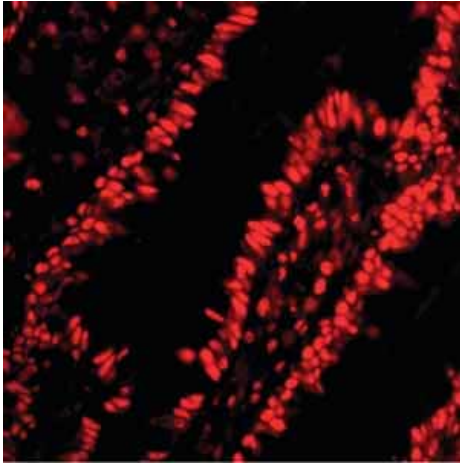
Relevance

This antibody recognizes all three identified isoforms of human, mouse and rat PHAP, including PHAP I, PHAP I2a, and PHAP III. The PHAP proteins (tumor suppressor putative HLA-DR associated proteins) are important regulators of mitochondrial apoptosis. PHAP facilitates apoptosome-mediated caspase-9 activation to stimulate the mitochondrial apoptosis pathway. In addition, PHAP opposes both Ras- and myc- mediated cell transformation.

Cellular localization

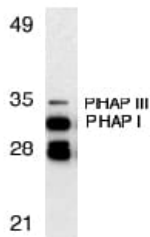
Nuclear

Images



Immunofluorescence of PHAP in Human small intestine tissue with ab5987 at 20 ug/mL.

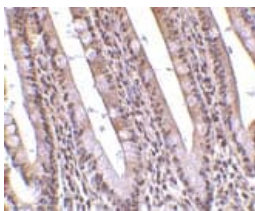
Immunocytochemistry/ Immunofluorescence - Anti-PHAP antibody (ab5987)



Western blot analysis of PHAP expression in human Raji cell lysate with anti-PHAP at 1 µg/ml. The two bands below PHAP I might be differently spliced isoforms of PHAP.

Western blot analysis of PHAP expression in human Raji cell lysate with anti-PHAP at 1 µg/ml. The two bands below PHAP I might be differently spliced isoforms of PHAP.

Western blot - Anti-PHAP antibody (ab5987)



ab5987 at 10µg/ml staining PHAP in human small intestine tissue by IHC

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PHAP antibody (ab5987)

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

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