

## Anti-PHAP ANP32A Antibody

Catalog Number: A03625-2

### About ANP32A

Apoptosis is related to many diseases and development. Caspase-9 plays a central role in cell death induced by a variety of apoptosis activators. Cytochrome c, after released from mitochondria, binds to Apaf-1, which forms an apoptosome that in turn binds to and activate procaspase-9. Activated caspase-9 cleaves and activates the effector caspases (caspase-3, -6 and -7), which are responsible for the proteolytic cleavage of many key proteins in apoptosis. The tumor suppressor putative HLA-DR-associated proteins (PHAPs) were recently identified as important regulators of mitochondrion apoptosis. PHAP appears to facilitate apoptosome-mediated caspase-9 activation and to stimulate the mitochondrial apoptotic pathway. PHAP was also shown to oppose both Ras- and Myc-mediated cell transformation.

### Overview

Product Name	Anti-PHAP ANP32A Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PHAP ANP32A Antibody (Catalog # A03625-2). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC-P, WB
Clonality	Polyclonal
Formulation	PHAP Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	PHAP antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P39687

### Technical Details

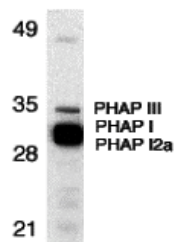
Immunogen	PHAP antibody was raised with a synthetic peptide corresponding to amino acids at amino terminus of human PHAP. The immunogen is located within the first 50 amino acids of PHAP.
Predicted Reactive Species	Bovine, Sheep
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	PHAP Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

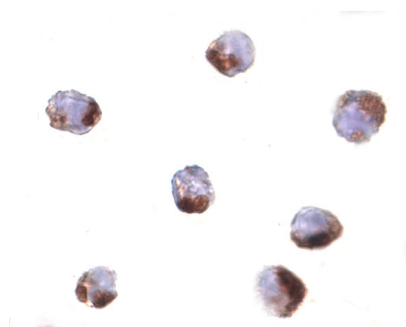
PHAP antibody can be used for detection of all three identified isoforms of PHAP including PHAP I, PHAP I2a, and PHAP III by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 1 ug/mL.

Antibody validated: Western Blot in human samples and Immunocytochemistry in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

## Anti-PHAP ANP32A Antibody (A03625-2) Images



Western blot analysis of PHAP expression in human Raji cell lysate with PHAP antibody at 1 ug/mL. The wide and strong band below PHAP III is a doublet composed of PHAP I (upper) and PHAP I2a (lower).



Immunocytochemistry of PHAP in Raji cells with PHAP antibody at 1 ug/mL.

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