

## PHAP I Antibody

Catalog No: #24198

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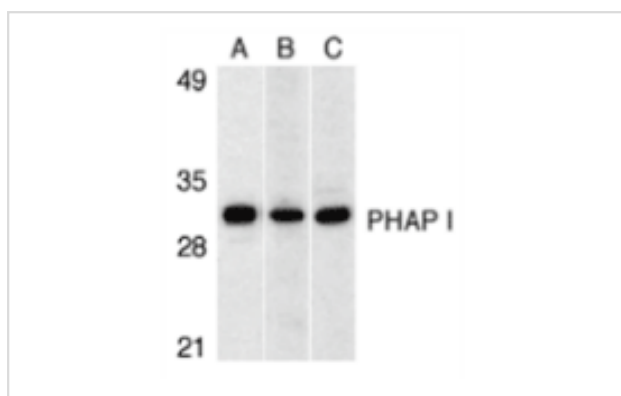
## Description

Product Name	PHAP I Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	PHAP I Antibody is DEAE purified.
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Specificity	This polyclonal antibody has no cross-reaction to PHAP I2a and PHAP III.
Immunogen Type	Peptide
Immunogen Description	PHAP I antibody was raised with a synthetic peptide corresponding to amino acids at carboxy terminus of human PHAP I.
Target Name	PHAP I
Accession No.	P39687
Uniprot	P39687
GeneID	8125;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

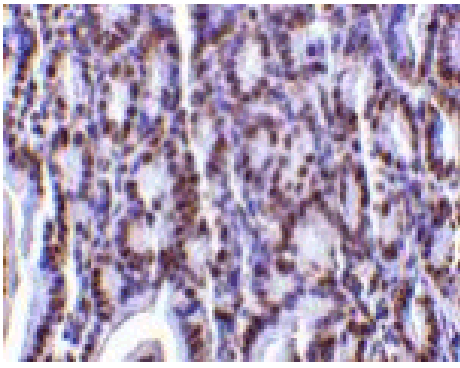
## Application Details

Predicted MW: 32 kd

## Images



Western blot analysis of PHAP I expression in human Raji cell (A), mouse (B) and rat (C) testis tissue lysates with PHAP I antibody at 1 ug/mL.



Immunohistochemistry of PHAP I in mouse small intestine tissue with PHAP I antibody at 2 ug/mL.

## Background

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.

Note: This product is for in vitro research use only