

PHAP I Antibody

Catalog No: #24195

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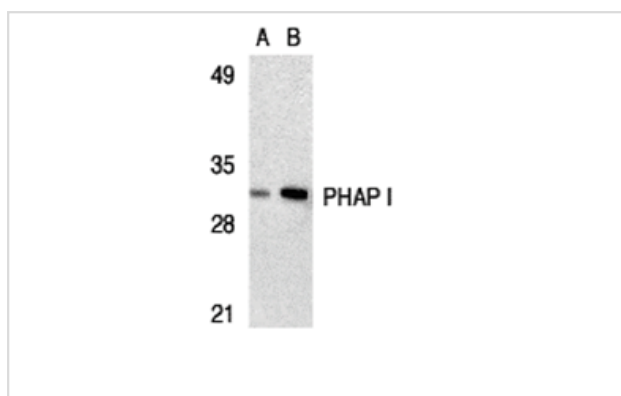
Description

Product Name	PHAP I Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	PHAP I Antibody is DEAE purified.
Applications	ELISA WB ICC
Species Reactivity	Hu Ms
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 close to carboxy terminus of human PHAP I. This sequence is identical between human and rat 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.

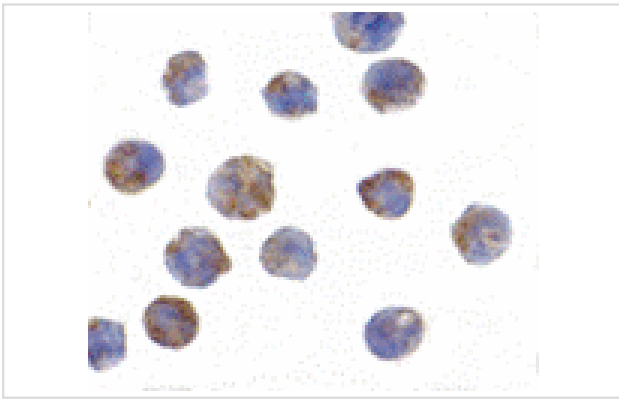
Application Details

Predicted MW: 32 kd

Images



Western blot analysis of PHAP I expression in human Raji cell lysate with PHAP antibody I at 2 ug/mL (lane A) and 4 ug/mL (lane B), respectively.



Immunocytochemistry of PHAP I in Raji cells 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