

Datasheet for ABIN500479

anti-PHAP1 antibody (N-Term)**2** Images[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	PHAP1 (ANP32A)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PHAP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	PHAP antibody was raised with a synthetic peptide corresponding to amino acids at amino terminus of human PHAP.
Isotype:	IgG
Specificity:	This antibody detects ANP32A at N-term. The antibody can be used for detection of all three identified isoforms by Western blot.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	PHAP1 (ANP32A)
---------	----------------

Target Details

Alternative Name: ANP32A ([ANP32A Products](#))

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 (1). 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. Synonyms: Acidic leucine-rich nuclear phosphoprotein 32 family member A, Acidic nuclear phosphoprotein pp32, C15orf1, LANP, Leucine-rich acidic nuclear protein, MAPM, Mapmodulin, PHAP1, Potent heat-stable protein phosphatase 2A inhibitor I1PP2A, Putative HLA-DR-associated protein I

Gene ID: 8125

UniProt: [P39687](#)

Application Details

Application Notes: ELISA. Western blot: 0.5 to 2 µg/mL. Immunohistochemistry on paraffin sections.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

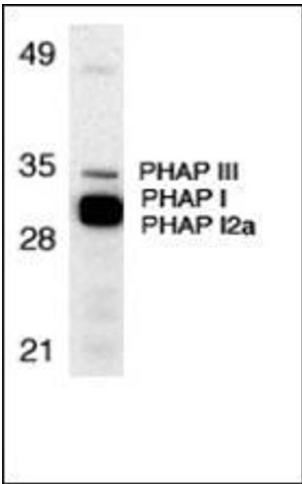
Storage: 4 °C/-20 °C

Storage Comment: Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunofluorescence

Image 1. Immunocytochemistry of PHAP in Raji cells with this product at 1 µg/ml.



Western Blotting

Image 2. Western blot analysis of PHAP expression in human Raji cell lysate with this product at 1 µg/ml. The wide and strong band below PHAP III is a doublet composed of PHAP I (upper) and PHAP I2a (lower).