

## Product datasheet for **TA306131**

### PHAP1 (ANP32A) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	PHAP antibody can be used for detection of PHAP I and PHAP III by Western blot at 1 µg/mL. At approximately 35 kDa and 32 kDa a band can be detected. Antibody can also be used for immunohistochemistry starting at 10 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	PHAP antibody was raised with a synthetic peptide corresponding to amino acids at carboxy terminus of human PHAP I.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	PHAP Antibody is DEAE purified.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	acidic nuclear phosphoprotein 32 family member A
Database Link:	<a href="#">NP_006296</a> <a href="#">Entrez Gene 11737 Mouse</a> <a href="#">Entrez Gene 25379 Rat</a> <a href="#">Entrez Gene 8125 Human</a> <a href="#">P39687</a>



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**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:**

C15orf1; HPPCn; I1PP2A; LANP; MAPM; PHAP1; PHAPI; PP32

**Protein Families:**

Druggable Genome, Stem cell - Pluripotency