

Product datasheet for **TA306127**

PHAP1 (ANP32A) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ICC, IF, WB
Recommended Dilution:	WB: 2-4 µg/mL; ICC: 2 µg/mL; IF: 10 µg/mL. Antibody validated: Western Blot in human, mouse and rat samples; Immunocytochemistry in human samples; Immunofluorescence in human samples. All other applications and species not yet tested.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	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.
Specificity:	This polyclonal antibody has no cross-reaction to PHAP I2a and PHAP III.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	PHAP I 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:	NP_006296 Entrez Gene 11737 Mouse Entrez Gene 25379 Rat Entrez Gene 8125 Human P39687



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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