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Product datasheet for TA306130

PHAP1 (ANP32A) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	WB: 1 µg/mL; IHC: 2 µg/mL; IF: 20 µg/mL. Antibody validated: Western Blot in human, mouse and rat samples; Immunohistochemistry in mouse samples; Immunofluorescence in mouse 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 at carboxy terminus of human 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:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
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 MouseEntrez Gene 25379 RatEntrez 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-medicated caspase-9 activation and to stimulate the mitochondrial apoptotic pathway. PHAP was also shown to oppose both Ras- and Myc-medicated cell transformation.

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

Protein Families: Druggable Genome, Stem cell - Pluripotency