

## Product datasheet for **AP22856PU-N**

### PHAP1 (ANP32A) (N-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Immunocytochemistry:</b> 1 µg/ml. <b>Immunohistochemistry on Paraffin Sections:</b> 5 µg/ml. <b>Western Blot:</b> 0.5 - 2 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	ANP32A antibody was raised against synthetic peptide
Specificity:	This antibody reacts to Acidic (leucine-rich) Nuclear Phosphoprotein 32 Family, Member A (ANP32A/PHAP1).
Formulation:	PBS containing 0.02% sodium azide. State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	acidic nuclear phosphoprotein 32 family member A
Database Link:	<a href="#">Entrez Gene 11737 Mouse</a> <a href="#">Entrez Gene 25379 Rat</a> <a href="#">Entrez Gene 8125 Human P39687</a>



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**Background:**

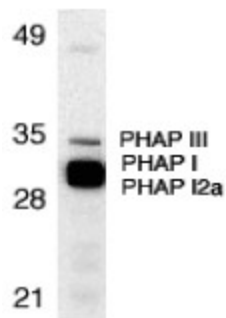
Apoptosis is related to many diseases and development. Caspase-9 plays a central role in cell death induced by a variety of apoptosis activators. Cytochrome c, after released from mitochondria, binds to Apaf-1, which forms an apoptosome that in turn binds to and activate procaspase-9. Activated caspase-9 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. 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:**

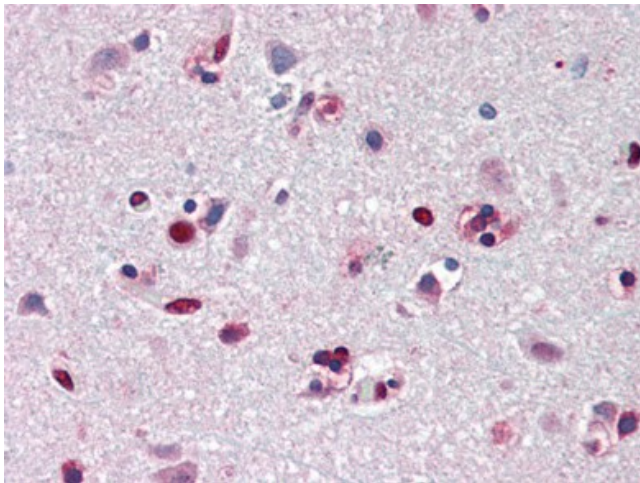
C15orf1, LANP, MAPM, PHAP1, Mapmodulin

**Protein Families:**

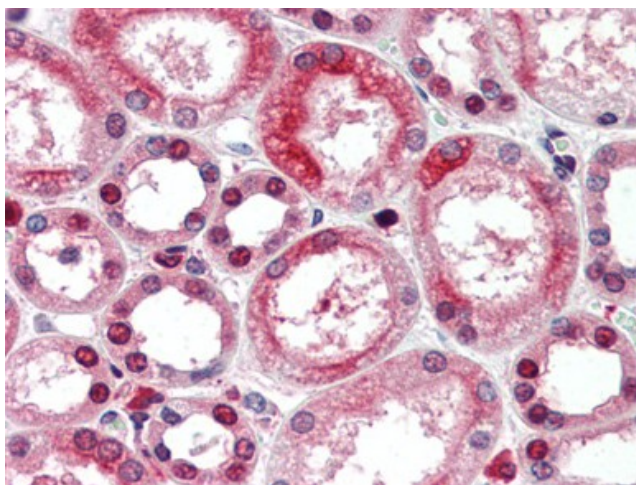
Druggable Genome, Stem cell - Pluripotency

**Product images:**

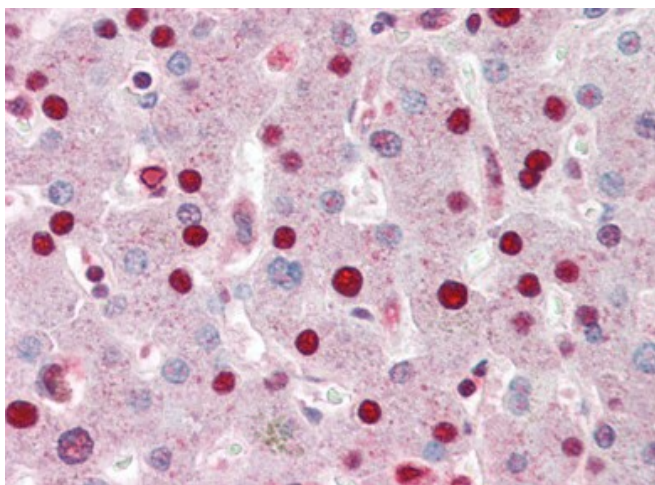
Western blot analysis of PHAP expression in human Raji cell lysate with PHAP antibody (AP22856PU-N) at 1 ug/ml. The wide and strong band below PHAP III is a doublet composed of PHAP I (upper) and PHAP I2a (lower).



Human Brain, Cortex (formalin-fixed, paraffin-embedded) stained with ANP32A antibody AP22856PU-N at 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Kidney (formalin-fixed, paraffin-embedded) stained with ANP32A antibody AP22856PU-N at 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Liver (formalin-fixed, paraffin-embedded) stained with ANP32A antibody AP22856PU-N at 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Immunocytochemistry of PHAP in Raji cells with PHAP antibody (AP22856PU-N) at 1 ug/ml.