

Recombinant Human ANP32A / PHAP1 Protein (His & GST tag)

Cat.NO.: TP06310

3th Edition

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

Description:acidic leucine-rich nuclear phosphoprotein 32 family member A, also known as acidic nuclear phosphoprotein pp32, Leucine-rich acidic nuclear protein, Mapmodulin, Potent heat-stable protein phosphatase 2A inhibitor I1PP2A, Putative HLA-DR-associated protein I, PHAPI and ANP32A, is a nucleus, cytoplasm and endoplasmic reticulum. ANP32A / LANP is expressed in all tissues tested. It is highly expressed in kidney and skeletal muscle, moderate levels of expression is in brain, placenta and pancreas. ANP32A / LANP is weakly expressed in lung. It is found in all regions of the brain examined (amygdala, caudate nucleus, corpus callosum, hippocampus and thalamus), with highest levels in amygdala. ANP32A / LANP is a component of the SET complex, which also contains SET, APEX1, HMGB2 and NME1. It directly interacts with SET. ANP32A / LANP also interacts with ATXN1/SCA1. ANP32A / LANP is implicated in a number of cellular processes, including proliferation, differentiation, caspase-dependent and caspase-independent apoptosis, suppression of transformation (tumor suppressor), inhibition of protein phosphatase 2A, regulation of mRNA trafficking and stability in association with ELAVL1, and inhibition of acetyltransferases as part of the INHAT (inhibitor of histone acetyltransferases) complex. ANP32A / LANP plays a role in E4F1-mediated transcriptional repression.

Form:PBS

Molecular Weight:55.4 kDa

Sequences:Glu 2-Lys 238

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.