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Datasheet for ABIN7317458

PHAP1 Protein (GST tag,His tag)

Overview

Quantity:	100 µg
Target:	PHAP1 (ANP32A)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PHAP1 protein is labelled with GST tag,His tag.

Product Details

Purpose:	Recombinant Human ANP32A/PHAP1 Protein (His & GST Tag)
Sequence:	Glu 2-Lys 238
Characteristics:	A DNA sequence encoding the of human ANP32A (NP_006296.1) (Glu 2-Lys 238) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.

Target Details

Target:	PHAP1 (ANP32A)
Alternative Name:	ANP32A/PHAP1 (ANP32A Products)
Background:	Background: 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

Target Details

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.

Synonym: C15orf1, HPPCn, I1PP2A, LANP, MAPM, PHAP1, PHAPI, PP32

Molecular Weight: 55.4 kDa

NCBI Accession: [NP_006296](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris, 10 % glycerol, 1 mM DTT, 0.5 mM GSH

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.