

ARG54446 anti-PHAP3 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PHAP3
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Specificity	This antibody recognizes human, mouse and rat PHAP III (35kDa).
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PHAP3
Species	Human
Immunogen	Synthetic peptide corresponding to amino acids near the carboxy terminus of human PHAP III (accession no. NP_112182)
Conjugation	Un-conjugated
Alternate Names	LANPL; LANP-like protein; Acidic leucine-rich nuclear phosphoprotein 32 family member E; LANP-L

Application Instructions

Application table	Application	Dilution
	IHC-P	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	A549, HepG2 and Human small intestine	

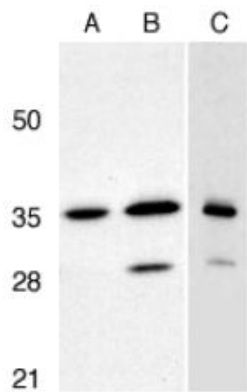
Properties

Form	Liquid
Purification	Immunoaffinity chroma-tography
Buffer	PBS (pH 7.4) and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

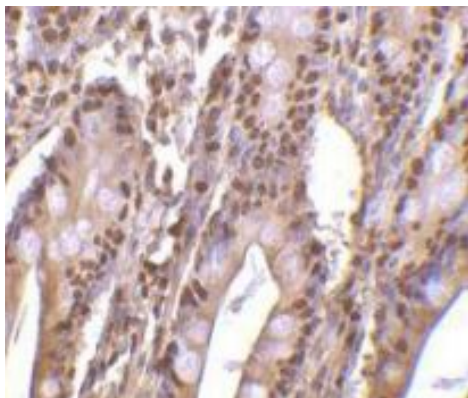
Gene Symbol	ANP32E
Gene Full Name	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E
Background	The PHAP proteins (tumor suppressor putative HLA-DR associated proteins) are important regulators of mitochondrial apoptosis. PHAP facilitates apoptosome-mediated caspase-9 activation to stimulate the mitochondrial apoptosis pathway. In addition, PHAP opposes both Ras- and myc- mediated cell transformation.
Function	Histone chaperone that specifically mediates the genome-wide removal of histone H2A.Z/H2AFZ from the nucleosome: removes H2A.Z/H2AFZ from its normal sites of deposition, especially from enhancer and insulator regions. Not involved in deposition of H2A.Z/H2AFZ in the nucleosome. May stabilize the evicted H2A.Z/H2AFZ-H2B dimer, thus shifting the equilibrium towards dissociation and the off-chromatin state (PubMed:24463511). Inhibits activity of protein phosphatase 2A (PP2A). Does not inhibit protein phosphatase 1. May play a role in cerebellar development and synaptogenesis. [UniProt]
Research Area	Immune System antibody
Calculated Mw	31 kDa
PTM	Phosphorylated. The phosphorylation is nuclear localization signal (NLS)-dependent (By similarity).

Images



ARG54446 anti-PHAP3 antibody WB image

Western Blot: A:A549; B:HepG2; C: rat testis stained with ARG54446 anti-PHAP3 antibody at 1 µg/ml dilution.



ARG54446 anti-PHAP3 antibody IHC image

Immunohistochemistry: human small intestine stained with ARG54446 anti-PHAP3 antibody at 2 µg/ml dilution.