# ARG54448
# anti-ANP32A / PHAP1 antibody

Package: 50 µg
Store at: -20°C

## Summary

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|---|---|
| Product Description | Rabbit Polyclonal antibody recognizes ANP32A / PHAP1 |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | IHC, WB |
| Specificity | This antibody recognizes Human, Mouse and Rat PHAP1 (32 kDa), and does not cross-react with PHAP I2a or PHAP3. |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | ANP32A / PHAP1 |
| Species | Human |
| Immunogen | Synthetic peptide around the C-terminus of Human PHAP1 (P39687). |
| Conjugation | Un-conjugated |
| Alternate Names | Putative HLA-DR-associated protein I; Potent heat-stable protein phosphatase 2A inhibitor I1PP2A; Mapmodulin; pp32; PHAPI; C15orf1; PP32; I1PP2A; PHAP1; Acidic nuclear phosphoprotein pp32; LANP; Acidic leucine-rich nuclear phosphoprotein 32 family member A; HPPCn; MAPM; Leucine-rich acidic nuclear protein |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| IHC | Assay-dependent |
| WB | Assay-dependent |

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| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |
| Positive Control | Raji, Mouse testis, Rat testis and Mouse small intestine |

## Properties

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| 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. |

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| Note | For laboratory research only, not for drug, diagnostic or other use. |

## Bioinformation

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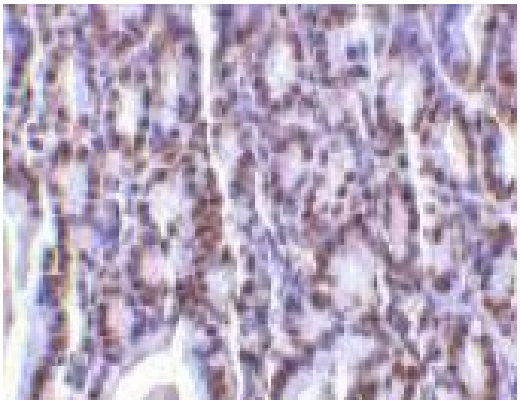
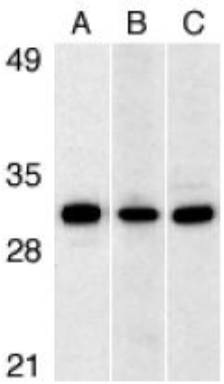
| Gene Symbol | ANP32A |
| Gene Full Name | acidic (leucine-rich) nuclear phosphoprotein 32 family, member A |
| Background | The PHAP proteins (tumor suppressor putative HLA-DR associated proteins) are important regulators of mitochondrial apoptosis. PHAP facilitates apoptosome-mediated caspase-9 activation to stimulate the mitochondrial apoptosis pathway. In addition, PHAP opposes both Ras- and myc- mediated cell transformation. |
| Function | 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. Plays a role in E4F1-mediated transcriptional repression. [UniProt] |
| Research Area | Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Metabolism antibody; Signaling Transduction antibody |
| Calculated Mw | 29 kDa |
| PTM | Phosphorylated on serine residues.<br>The N-terminus is blocked.<br>Some glutamate residues are glycylated by TTLL8. This modification occurs exclusively on glutamate residues and results in a glycine chain on the gamma-carboxyl group (By similarity). |

## Images



ARG54448 anti-ANP32A / PHAP1 antibody IHC image

Immunohistochemistry: Mouse small intestine stained with ARG54448 anti-ANP32A / PHAP1 antibody at 2 µg/ml dilution.




ARG54448 anti-ANP32A / PHAP1 antibody WB image

Western blot: A) Raji, B) Mouse testis and C) Mouse testis lysates stained with ARG54448 anti-ANP32A / PHAP1 antibody at 1 µg/ml dilution.