

## Rabbit anti-Human ANP32A Polyclonal Antibody | anti-ANP32A antibody

Anti-ANP32A Antibody, Rabbit Polyclonal

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                                            |
|-----------|--------|------------|---------------------------------------------------------------------------------------------------------|
| AAA27748  | Rabbit | Human      | Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Immunoprecipitation |

### PRODUCT SYNONYMS

ANP32A; Polyclonal Antibody; Anti-ANP32A Antibody; Rabbit Polyclonal; ANP32A/PHAP1 Antibody; Rabbit PAb; Antigen Affinity Purified; acidic (leucine-rich) nuclear phosphoprotein 32 family; member A; Anti-C15orf1 Antibody; Anti-HPPCn Antibody; Anti-I1PP2A Antibody; Anti-LANP Antibody; Anti-MAPM Antibody; Anti-PHAP1 Antibody; Anti-PHAPI Antibody; Anti-PP32 Antibody; anti-ANP32A antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                                       |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                       | Human                                                                                                                                                                                                                                                                 |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                                            |
| Isotype                                          | Rabbit IgG                                                                                                                                                                                                                                                            |
| Specificity                                      | Human ANP32A/PHAP1                                                                                                                                                                                                                                                    |
| Purity/Purification                              | Protein A & Antigen Affinity                                                                                                                                                                                                                                          |
| Form/Format                                      | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-ANP32A antibody | WB (Western Blot), ELISA, IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), IP (Immunoprecipitation)                                                                                                                                    |
| Application Notes                                | WB: 1:500-1:2000<br>ELISA: 1:5000-1:10,000<br>IHC-P: 1:500-1:2000<br>ICC/IF: 1:300-1:10,000<br>IP: 1-4uL/mg of lysate                                                                                                                                                 |
| Immunogen                                        | Recombinant Human ANP32A/PHAP1 Protein                                                                                                                                                                                                                                |
| Conjugation                                      | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                      | Produced in rabbits immunized with purified, recombinant Human ANP32A/PHAP1 (rh ANP32A/PHAP1). ANP32A/PHAP1 specific IgG was purified by Human ANP32A/PHAP1 affinity chromatography.                                                                                  |
| Preparation and Storage                          | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

IMAGES



WB (Western Blot)

Anti-ANP32A rabbit polyclonal antibody at 1:500 dilution Lane A: ANP32A konckout HeLa Whole Cell Lysate Lane B: HeLa Whole Cell Lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size:28 kDa Observed band size:28 kDa



IP (Immunoprecipitation)

ANP32A was immunoprecipitated using:Lane A:0.5 mg Jurkat Whole Cell LysateLane B:0.5 mg HeLa Whole Cell LysateLane C:0.5 mg HepG2 Whole Cell Lysate4 uL anti-ANP32A rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-ANP32A rabbit polyclonal antibody,at 1:100 dilution Secondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odssey technique.Performed under reducing conditions.Predicted band size: 29 kDaObserved band size: 29 kDa



IF (Immunofluorescence)

Immunofluorescence staining of ANP32A in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-human ANP32A polyclonal antibody (1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to nucleus.



IHC (Immunohistochemistry)

Immunochemical staining of human ANP32A in human skeletal muscle with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human ANP32A in human kidney with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



WB (Western Blot)

Anti-ANP32A rabbit polyclonal antibody at 1:500 dilutionLane A: HEK293 Whole Cell LysateLane B: Raji Whole Cell LysateLane C: HeLa Whole Cell LysateLane D: Jurkat Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti- Rabbit IgG H&L (Dylight 800)&nbsp;&nbsp; at 1/10000 dilution.Developed using the Odyssey technique. Performed under reducing conditions.Predicted band size:28 kDaObserved band size:28 kDa

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ANP32A antibody | 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. |
| References                                           | Bai J.et al., 2001, Oncogene. 20: 2153-60. Brody J.R.et al., 1999, J. Biol. Chem. 274:20053-5. Tsujio I.et al., 2005, FEBS Lett. 579: 363-72. Molina H.et al., 2007, Proc. Natl. Acad. Sci. USA. 104: 2199-204. Cvetanovic M. et al., 2007, EMBO Rep. 8:671-7. Dephoure N.et al., 2008, Proc. Natl. Acad. Sci. USA. 105:10762-7.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|                  |             |
|------------------|-------------|
| NCBI GI #        | 5453880     |
| NCBI GeneID      | 8125        |
| NCBI Accession # | NP_006296.1 |

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GenBank Nucleotide #        | <a href="#">NM_006305.3</a>                                                                                                                                                                                                                                     |
| UniProt Accession #              | <a href="#">P39687</a> ; <a href="#">Q53FK4</a> ; <a href="#">Q5J8L8</a> ; <a href="#">Q7M4N6</a> ; <a href="#">B2R6T4</a>                                                                                                                                      |
| Molecular Weight                 | 28,585 Da                                                                                                                                                                                                                                                       |
| NCBI Official Full Name          | acidic leucine-rich nuclear phosphoprotein 32 family member A                                                                                                                                                                                                   |
| NCBI Official Synonym Full Names | acidic (leucine-rich) nuclear phosphoprotein 32 family, member A                                                                                                                                                                                                |
| NCBI Official Symbol             | ANP32A                                                                                                                                                                                                                                                          |
| NCBI Official Synonym Symbols    | LANP; MAPM; PP32; HPPCn; PHAP1; PHAPI; I1PP2A; C15orf1                                                                                                                                                                                                          |
| NCBI Protein Information         | acidic leucine-rich nuclear phosphoprotein 32 family member A; acidic nuclear phosphoprotein pp32; cerebellar leucine rich acidic nuclear protein; hepatopoietin Cn; inhibitor-1 of protein phosphatase-2A; leucine-rich acidic nuclear protein; mapmodulin; po |
| UniProt Protein Name             | Acidic leucine-rich nuclear phosphoprotein 32 family member A                                                                                                                                                                                                   |
| UniProt Gene Name                | <b>ANP32A</b>                                                                                                                                                                                                                                                   |
| UniProt Synonym Gene Names       | C15orf1; LANP; MAPM; PHAP1; pp32; LANP; PHAPI                                                                                                                                                                                                                   |
| UniProt Entry Name               | AN32A_HUMAN                                                                                                                                                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/anp32a-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-immunoprecipitation-elisa/27748>