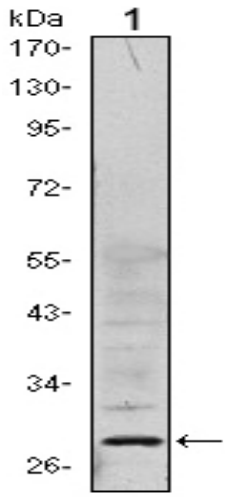
# ANP32A Monoclonal Antibody

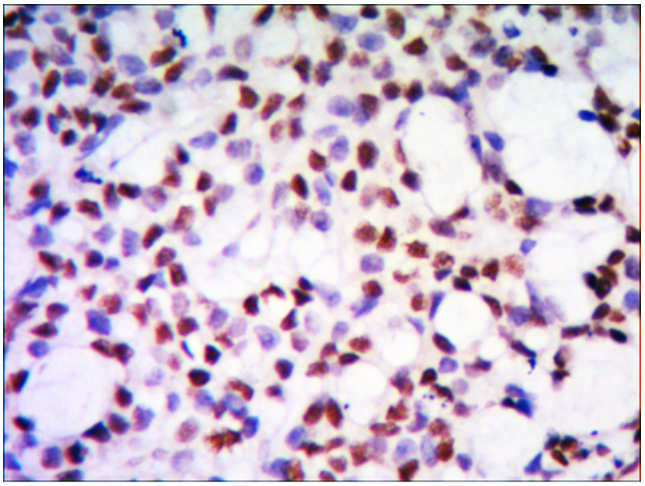
| | |
|---|---|
| **Catalog No** | YP-Ab-03383 |
| **Isotype** | IgG |
| **Reactivity** | Human |
| **Applications** | WB;IHC;IF;ELISA |
| **Gene Name** | ANP32A |
| **Protein Name** | Acidic leucine-rich nuclear phosphoprotein 32 family member A |
| **Immunogen** | Purified recombinant fragment of human ANP32A expressed in E. Coli. |
| **Specificity** | ANP32A Monoclonal Antibody detects endogenous levels of ANP32A protein. |
| **Formulation** | Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol. |
| **Source** | Monoclonal, Mouse |
| **Purification** | Affinity purification |
| **Dilution** | WB: 1/500 - 1/2000. IHC: 1/200 - 1/1000. ELISA: 1/10000.. IF 1:50-200 |
| **Concentration** | 1 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -20°C/1 year |
| **Synonyms** | ANP32A; C15orf1; LANP; MAPM; PHAP1; Acidic leucine-rich nuclear phosphoprotein 32 family member A; Acidic nuclear phosphoprotein pp32; Leucine-rich acidic nuclear protein; LANP; Mapmodulin; Potent heat-stable protein phosphatase 2A inhibito |
| **Observed Band** | |
| **Cell Pathway** | Nucleus . Cytoplasm . Endoplasmic reticulum. Translocates to the cytoplasm during the process of neuritogenesis (By similarity). Shuttles between nucleus and cytoplasm. . |
| **Tissue Specificity** | Expressed in all tissues tested. Highly expressed in kidney and skeletal muscle, moderate levels of expression in brain, placenta and pancreas, and weakly expressed in lung. Found in all regions of the brain examined (amygdala, caudate nucleus, corpus callosum, hippocampus and thalamus), with highest levels in amygdala. |
| **Function** | 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.,PTM:Phosphorylated on serine residues.,PTM:The N-terminus is blocked.,similarity:Belongs to the ANP32 family.,similarity:Contains 4 LRR (leucine-rich) repeats.,subcellular location:Shuttles between nucleus and |

| | |
|---|---|
| | cytoplasm.,subunit:Component of the SET complex, which also contains SET, APEX1, HMGB2 and NME1. Directly interacts with SET. Interacts with ATXN1/SCA1. Interacts with MAP1B (By similarity). Interacts with ELAVL1 |
| **Background** | 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.,PTM:Phosphorylated on serine residues.,PTM:The N-terminus is blocked.,similarity:Belongs to the ANP32 family.,similarity:Contains 4 LRR (leucine-rich) repeats.,subcellular location:Shuttles between nucleus and cytoplasm.,subunit:Component of the SET complex, which also contains SET, APEX1, HMGB2 and NME1. Directly interacts with SET. Interacts with ATXN1/SCA1. Interacts with MAP1B (By similarity). Interacts with ELAVL1. Part of the INHAT (inhibitor of histone acetyltransferases) complex. Interacts with E4F1.,tissue specificity:Expressed in all tissues tested. Highly expressed in kidney and skeletal muscle, moderate levels of expression in brain, placenta and pancreas, and weakly expressed in lung. Found in all regions of the brain examined (amygdala, caudate nucleus, corpus callosum, hippocampus and thalamus), with highest levels in amygdala., |
| **matters needing attention** | Avoid repeated freezing and thawing! |
| **Usage suggestions** | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |

# Products Images




Western Blot analysis using ANP32A Monoclonal Antibody against HeLa (1) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human kidney tissue with DAB staining using ANP32A Monoclonal Antibody.