

Rabbit PHAP1 Polyclonal Antibody | anti-ANP32A antibody

PHAP1 Antibody

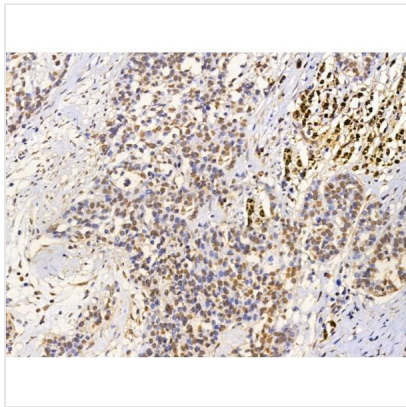
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31229	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Sheep(100%)	ELISA

PRODUCT SYNONYMS

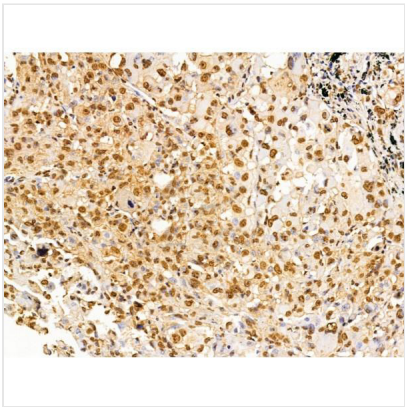
PHAP1; Polyclonal Antibody; PHAP1 Antibody; acidic (leucine-rich) nuclear phosphoprotein 32 family; member A; Acidic leucine-rich nuclear phosphoprotein 32 family member A; Acidic nuclear phosphoprotein 32 family member A; Acidic nuclear phosphoprotein pp32; AN32A_HUMAN; ANP32A; C15orf1; Cerebellar leucine rich acidic nuclear protein; Hepatopoietin Cn; HPPCn; I1PP2A; Inhibitor 1 of protein phosphatase 2A; inhibitor-1 of protein phosphatase-2A; Lanp; Leucine rich acidic nuclear protein; Leucine-rich acidic nuclear protein; MAPM; Mapmodulin; MGC119787; MGC150373; PHAPI; Potent heat stable protein phosphatase 2A inhibitor I1PP2A; Potent heat-stable protein phosphatase 2A inhibitor I1PP2A; PP32; Putative HLA DR associated protein I; Putative HLA-DR-associated protein I; Putative human HLA class II associated protein I; Putative human HLA class II-associated protein; anti-ANP32A antibody

PRODUCT SPECIFICATIONS

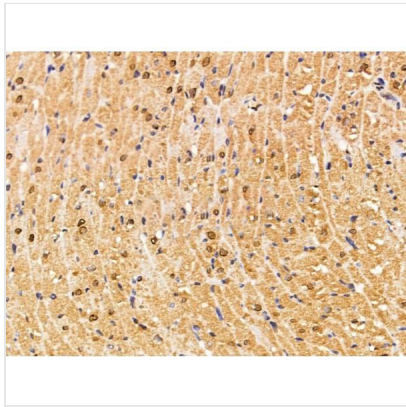
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Sheep(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	PHAP1 Antibody detects endogenous levels of total PHAP1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	249
Applicable Applications for anti-ANP32A antibody	ELISA
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:100-1:500 ICC: 1:100-1:500 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human PHAP1, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry-Paraffin)
AAA31229 at 1/100 staining Human ovarian cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



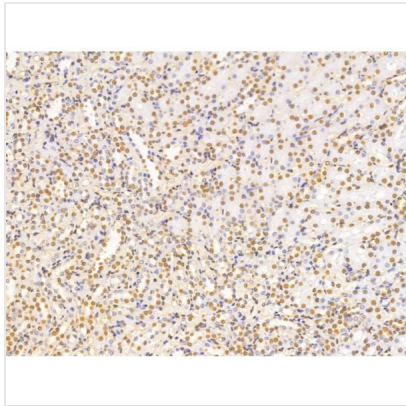
IHC (Immunohistochemistry-Paraffin)
AAA31229 at 1/100 staining Human lung cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



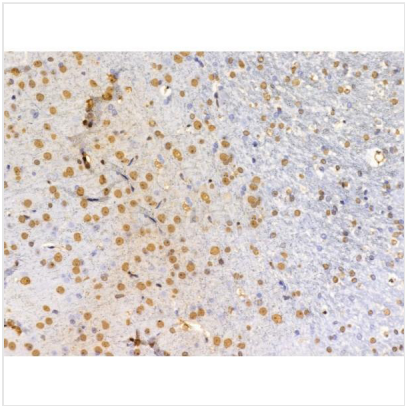
IHC (Immunohistochemistry-Paraffin)
AAA31229 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)
AAA31229 at 1/100 staining Rat liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)
AAA31229 at 1/100 staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)
AAA31229 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ANP32A antibody	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. Post Translational Modifications: Phosphorylated on serine residues.The N-terminus is blocked.Some glutamate residues are glycyated by TTLL8. This modification occurs exclusively on glutamate residues and results in a glycine chain on the gamma-carboxyl group (By similarity). Subcellular Location: Nucleus. Cytoplasm. Endoplasmic reticulum. Note: 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. Subunit Structure: Component of the SET complex, composed of at least ANP32A, APEX1, HMGB2, NME1, SET and TREX1. Directly interacts with SET. Interacts with ATXN1/SCA1. Interacts with MAP1B. Interacts with ELAVL1. Part of the INHAT (inhibitor of histone acetyltransferases) complex. Interacts with E4F1. Similarity: Belongs to the ANP32 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5453880
NCBI GeneID	8125
NCBI Accession #	NP_006296.1
NCBI GenBank Nucleotide #	NP_006296.1
UniProt Accession #	P39687
Molecular Weight	Observed Molecular Weight: (Observed)28kD. Predicted Molecular Weight: (Calculated)29kDa.
NCBI Official Full Name	acidic leucine-rich nuclear phosphoprotein 32 family member A
NCBI Official Synonym Full Names	acidic 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
UniProt Protein Name	Acidic leucine-rich nuclear phosphoprotein 32 family member A
UniProt Gene Name	ANP32A
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.