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LANPL Rabbit pAb

Catalog # AP97775

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9BTT0
Other Accession	Q9BTT0
Predicted	Rat, Pig, Human, Mouse, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30692
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LANPL
Epitope Specificity	55-150/268
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the ANP32 family.Contains 4 LRR (leucine-rich) repeats. Contains 1 LRRCT domain.
Post-translational modifications	Phosphorylated. The phosphorylation is nuclear localization signal (NLS)-dependent.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Inhibits activity of protein phosphatase 2A (PP2A). Does not inhibit protein phosphatase 1. May play a role in cerebellar development and synaptogenesis process by modulating PP2A activity. Tissue specificityExpressed in peripheral blood leukocytes, colon, small intestine, prostate, thymus, spleen, skeletal muscle, liver and kidney.

Additional Information

Gene ID	81611
Other Names	LANP-L; LANPL; 2810018A15Rik; CPD1; mLANP-L; AN32E_HUMAN; ANP32E; LANP-like protein (LANP-L); AN32E_MOUSE; Cerebellar postnatal development protein 1; AN32E_RAT; acidic nuclear phosphoprotein 32 family member E; acidic (leucine-rich) nuclear phosphoprotein 32 family, member E
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ANP32E
Function	Histone chaperone that specifically mediates the genome-wide removal of histone H2A.Z/H2AZ1 from the nucleosome: removes H2A.Z/H2AZ1 from its normal sites of deposition, especially from enhancer and insulator regions. Not involved in deposition of H2A.Z/H2AZ1 in the nucleosome. May stabilize the evicted H2A.Z/H2AZ1-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.
Cellular Location	Cytoplasm. Nucleus.
Tissue Location	Expressed in peripheral blood leukocytes, colon, small intestine, prostate, thymus, spleen, skeletal muscle, liver and kidney.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.