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PIN4 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18546a

Product Information

Application	WB, E
Primary Accession	Q9Y237
Other Accession	NP_006214.2
Reactivity	Human
Predicted	Mouse, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38611
Calculated MW	13810
Antigen Region	6-32

Additional Information

Gene ID	5303
Other Names	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 4, Parvulin-14, Par14, hPar14, Parvulin-17, Par17, hPar17, Peptidyl-prolyl cis-trans isomerase Pin4, PPIase Pin4, Peptidyl-prolyl cis/trans isomerase EPVH, hEPVH, Rotamase Pin4, PIN4
Target/Specificity	This PIN4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 6-32 amino acids from the N-terminal region of human PIN4.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PIN4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PIN4

Function	Isoform 1 is involved as a ribosomal RNA processing factor in ribosome biogenesis. Binds to tightly bent AT-rich stretches of double- stranded DNA.
Cellular Location	[Isoform 1]: Nucleus, nucleolus. Cytoplasm, cytoskeleton, spindle. Cytoplasm. Note=Colocalizes in the nucleolus during interphase and on the spindle apparatus during mitosis with NPM1
Tissue Location	Isoform 2 is much more stable than isoform 1 (at protein level). Ubiquitous. Isoform 1 and isoform 2 are expressed in kidney, liver, blood vessel, brain, mammary gland, skeletal muscle, small intestine and submandibularis. Isoform 1 transcripts are much more abundant than isoform 2 in each tissue analyzed

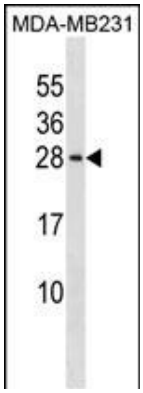
Background

This gene encodes a member of the parvulin subfamily of the peptidyl-prolyl cis/trans isomerase protein family. The encoded protein catalyzes the isomerization of peptidylprolyl bonds, and may play a role in the cell cycle, chromatin remodeling, and/or ribosome biogenesis. The encoded protein may play an additional role in the mitochondria.

References

Fujiyama-Nakamura, S., et al. Mol. Cell Proteomics 8(7):1552-1565(2009)
Kessler, D., et al. BMC Biol. 5, 37 (2007) :
Mueller, J.W., et al. BMC Mol. Biol. 7, 9 (2006) :
Reimer, T., et al. J. Mol. Biol. 330(5):955-966(2003)
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Images



PIN4 Antibody (N-term) (Cat. #AP18546a) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the PIN4 antibody detected the PIN4 protein (arrow).

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