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PURA Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11789b

Product Information

Application	IHC-P, WB, E
Primary Accession	Q00577
Other Accession	P42669, NP_005850.1
Reactivity	Human, Mouse
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB20224
Calculated MW	34911
Antigen Region	259-287

Additional Information

Gene ID	5813
Other Names	Transcriptional activator protein Pur-alpha, Purine-rich single-stranded DNA-binding protein alpha, PURA, PUR1
Target/Specificity	This PURA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 259-287 amino acids from the C-terminal region of human PURA.
Dilution	IHC-P~~1:100~500 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	PURA Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PURA
Synonyms	PUR1

Function	This is a probable transcription activator that specifically binds the purine-rich single strand of the PUR element located upstream of the MYC gene (PubMed:1448097, PubMed:20976240). May play a role in the initiation of DNA replication and in recombination.
Cellular Location	Nucleus.

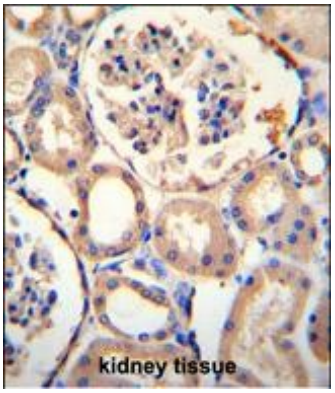
Background

This gene product is a sequence-specific, single-stranded DNA-binding protein. It binds preferentially to the single strand of the purine-rich element termed PUR, which is present at origins of replication and in gene flanking regions in a variety of eukaryotes from yeasts through humans. Thus, it is implicated in the control of both DNA replication and transcription. Deletion of this gene has been associated with myelodysplastic syndrome and acute myelogenous leukemia.

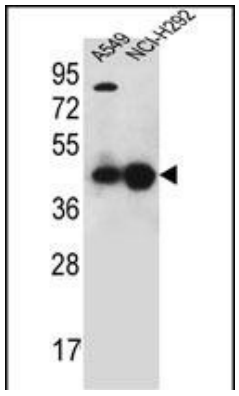
References

Inoue, T., et al. Prostate 69(8):861-873(2009)
Martins-de-Souza, D., et al. Eur Arch Psychiatry Clin Neurosci 259(3):151-163(2009)
Kaminski, R., et al. Cancer Biol. Ther. 7(12):1926-1935(2008)
Darbinian, N., et al. J. Alzheimers Dis. 15(1):71-82(2008)
Wang, L.G., et al. Cancer Res. 68(8):2678-2688(2008)

Images



PURA Antibody (C-term) (Cat. #AP11789b)immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PURA Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



PURA Antibody (C-term) (Cat. #AP11789b) western blot analysis in A549,NCI-H292 cell line lysates (35ug/lane).This demonstrates the PURA antibody detected the PURA protein (arrow).