

PURB Polyclonal Antibody

Catalog No :	YN1439
Reactivity :	Human;Rat;Mouse
Applications :	WB;ELISA
Target :	PURB
Gene Name :	PURB
Protein Name :	Transcriptional activator protein Pur-beta (Purine-rich element-binding protein B)
Human Gene Id :	5814
Human Swiss Prot No :	Q96QR8
Mouse Swiss Prot No :	O35295
Rat Swiss Prot No :	Q68A21
Immunogen :	Synthesized peptide derived from part region of human protein
Specificity :	PURB Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 34kD

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. [provided by RefSeq, Jul 2008],

Function : disease:Defects in PURB may be a cause of progression of myelodysplastic syndrome (MDS) towards acute myelogenous leukemia (AML). MDS refers to a heterogeneous group of closely related hematopoietic disorders. All are characterized by a cellular marrow with impaired morphology and maturation (dysmyelopoiesis) and peripheral blood cytopenias, resulting from ineffective blood cell production. Some patients with MDS develop acute myelogenous leukemia (AML), a malignant disease in which hematopoietic precursors are arrested in an early stage of development.,function:Has capacity to bind repeated elements in single-stranded DNA such as the purine-rich single strand of the PUR element located upstream of the MYC gene. Plays a role in the control of vascular smooth muscle (VSM) alpha-actin gene transcription as repressor in myoblasts and fibroblasts. Participates in transcriptional and translational

Subcellular Location : Nucleus .

Expression : Expressed in myocardium of heart failure patients.

Sort : 21119

No4 : 1

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