

Immunotag™ PURB Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN1439
Product Description	Immunotag™ PURB Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PURB
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Rat,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PURB Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	PURB
Accession No.	Q96QR8 O35295 Q68A21

Antibody Specification

Description	purine rich element binding protein B(PURB) Homo sapiens 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],
Protein Expression	Epithelium,Liver,Lung,
Subcellular Localization	nucleus,DNA replication factor A complex,
Protein 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 regulation of alpha-MHC expression in cardiac myocytes by binding to the purine-rich negative regulatory (PNR) element. Modulates constitutive liver galectin-3 gene transcription by binding to its promoter. May play a role in the dendritic transport of a subset of mRNAs.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the PUR DNA-binding protein family.,subunit:Homodimer, heterodimer with PURA and heterotrimer with PURA and YBX1/Y-box protein 1.,tissue specificity:Expressed in myocardium of heart failure patients.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.