Best Tools for immunology Research

RPB3 Polyclonal Antibody

Catalog No :	YN0658
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	RPB3
Fields :	>>RNA polymerase;>>Huntington disease
Gene Name :	POLR2C A-152E5.7
Protein Name :	DNA-directed RNA polymerase II subunit RPB3 (RNA polymerase II subunit 3) (RNA polymerase II subunit B3) (DNA-directed RNA polymerase II 33 kDa polypeptide) (RPB33) (DNA-directed RNA polymerase II sub
Human Gene Id :	5432
Human Swiss Prot No :	P19387
Mouse Swiss Prot No :	P97760
Immunogen :	Synthesized peptide derived from part region of human protein
Specificity :	RPB3 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 : 30kD

Cell Pathway : Purine metabolism;Pyrimidine metabolism;RNA polymerase;Huntington's disease;

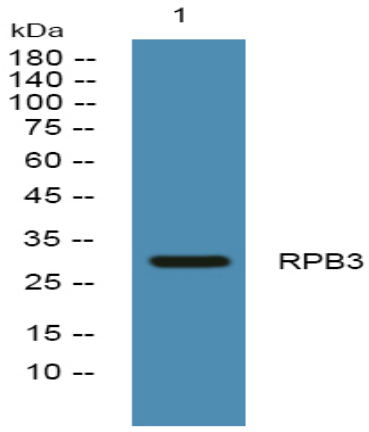
Background : This gene encodes the third largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The product of this gene contains a cysteine rich region and exists as a heterodimer with another polymerase subunit, POLR2J. These two subunits form a core subassembly unit of the polymerase. A pseudogene has been identified on chromosome 21. [provided by RefSeq, Jul 2008],

Function : function:DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Component of RNA polymerase II which synthesizes mRNA precursors and many functional non-coding RNAs. Pol II is the central component of the basal RNA polymerase II transcription machinery. It is composed of mobile elements that move relative to each other. RPB3 is part of the core element with the central large cleft and the clamp element that moves to open and close the cleft.,similarity:Belongs to the archaeal rpoD/eukaryotic RPB3 RNA polymerase subunit family.,subunit:Component of the RNA polymerase II (Pol II) complex consisting of 12 subunits. RPB11/POLR2J and RPB3/POLR2C subunits interact with each other.,

Subcellular Location : Nucleus .

Expression : Brain,Embryonic kidney,Kidney,Muscle,Skeletal muscle,

Products Images



Western blot analysis of lysates from SW480 cells, primary antibody was diluted at 1:1000, 4°over night