Best Tools for immunology Research

RPB7 Polyclonal Antibody

Catalog No :	YN0660
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	RPB7
Fields :	>>RNA polymerase;>>Huntington disease
Gene Name :	POLR2G RPB7
Protein Name :	DNA-directed RNA polymerase II subunit RPB7 (RNA polymerase II subunit B7) (DNA-directed RNA polymerase II subunit G) (RNA polymerase II 19 kDa subunit) (RPB19)
Human Gene Id :	5436
Human Swiss Prot No :	P62487
Mouse Swiss Prot No :	P62488
Rat Swiss Prot No :	P62489
Immunogen :	Synthesized peptide derived from part region of human protein
Specificity :	RPB7 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 : 18kD

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

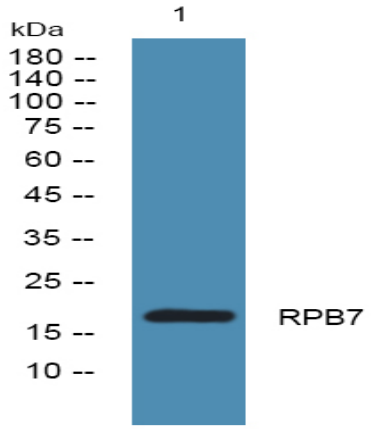
Background : This gene encodes the seventh largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The protein functions in transcription initiation, and is also thought to help stabilize transcribing polyermase molecules during elongation. [provided by RefSeq, Jan 2009],

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. RPB7 is part of a subcomplex with RPB4 that binds to a pocket formed by RPB1, RPB2 and RPB6 at the base of the clamp element. The RBP4-RPB7 subcomplex seems to lock the clamp via RPB7 in the closed conformation thus preventing double stranded DNA to enter the active site cleft. The RPB4-RPB7 subcomplex binds single-stranded DNA and RNA (By similarity). Binds RNA.,similarity:Belongs to the eukaryotic RPB7/RPC8 RNA polymerase subunit family.,subunit:Component of the RNA polymerase II (Pol II) compl

Subcellular Location : Nucleus .

Expression : Brain,

Products Images



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