



RPB9 Polyclonal Antibody

Catalog No	YP-Ab-05535
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	POLR2I
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	RPB9 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DNA-directed RNA polymerase II subunit I;DNA-directed RNA polymerase II subunit RPB9;hRPB14.5;RPB14.5;RPB9;POLR2I;DNA-directed RNA polymerase II subunit RPB9 (RNA polymerase II subunit B9) (DNA-directed RNA polymerase II subunit I) (RNA polymerase II 14.5 kDa subunit) (RPB14.5)
Observed Band	13kD
Calculated Molecular Weight	13kD
Cell Pathway	Nucleus, nucleolus .
Tissue Specificity	Brain,Uterus,
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. RPB9 is part of the upper jaw surrounding the central large cleft and thought to grab the incoming DNA template.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the archaeal rpoM/ eukaryotic RPA12/RPB9/RPC11 RNA polymerase family.,similarity:Contains 1 TFIIIS-type zinc finger.,subunit:Component of the RNA polymerase II (Pol II)



complex consisting of 12 subunits.,

Background

This gene encodes a subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. This subunit, in combination with two other polymerase subunits, forms the DNA binding domain of the polymerase, a groove in which the DNA template is transcribed into RNA. The product of this gene has two zinc finger motifs with conserved cysteines and the subunit does possess zinc binding activity. [provided by RefSeq, Jul 2008],

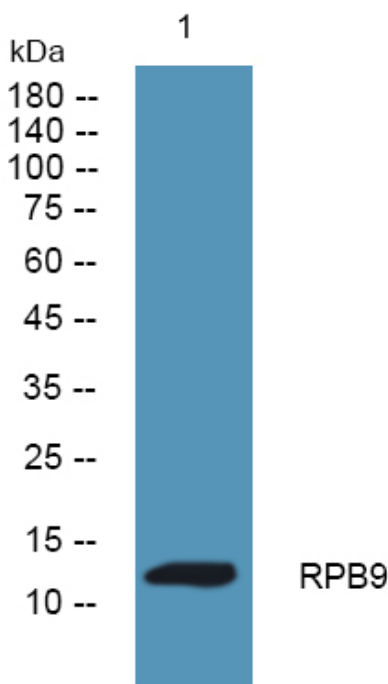
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from PC12 cells, primary antibody was diluted at 1:1000, 4° over night