



# POLR3B Polyclonal Antibody

<b>Catalog No</b>	BYab-01950
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	POLR3B
<b>Protein Name</b>	DNA-directed RNA polymerase III subunit RPC2
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human POLR3B. AA range:321-370
<b>Specificity</b>	POLR3B Polyclonal Antibody detects endogenous levels of POLR3B protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	POLR3B; DNA-directed RNA polymerase III subunit RPC2; RNA polymerase III subunit C2; C128; DNA-directed RNA polymerase III 127.6 kDa polypeptide; DNA-directed RNA polymerase III subunit B
<b>Observed Band</b>	128kD
<b>Cell Pathway</b>	Nucleus .
<b>Tissue Specificity</b>	Muscle, Teratocarcinoma, Tongue, Uterus endothel,
<b>Function</b>	catalytic activity:Nucleoside triphosphate + RNA(n) = diphosphate + RNA(n+1),.function:DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Second largest core component of RNA polymerase III which synthesizes small RNAs, such as 5S rRNA and tRNAs. Proposed to contribute to the polymerase catalytic activity and forms the polymerase active center together with the largest subunit. Pol III is composed of mobile elements and RPC2 is part of the core element with the central large cleft and probably a clamp element that moves to open and close the cleft.,similarity:Belongs to the RNA polymerase beta chain

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family.,subunit:Component of the RNA polymerase III (Pol III) complex consisting of 17 subunits.,

**Background**

This gene encodes the second largest subunit of RNA polymerase III, the polymerase responsible for synthesizing transfer and small ribosomal RNAs in eukaryotes. The largest subunit and the encoded protein form the catalytic center of RNA polymerase III. Mutations in this gene are a cause of hypomyelinating leukodystrophy. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011],

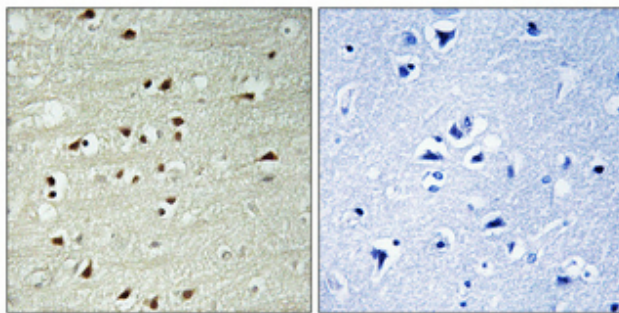
**matters needing attention**

Avoid repeated freezing and thawing!

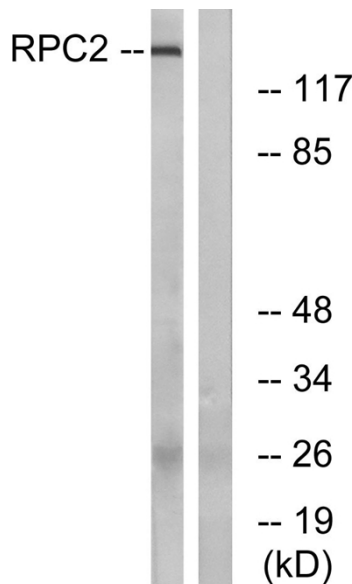
**Usage suggestions**

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

**Products Images**



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from LOVO cells, using RPC2 Antibody. The lane on the right is blocked with the synthesized peptide.