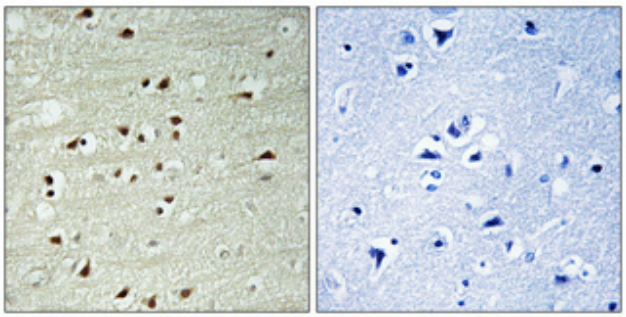
POLR3B Polyclonal Antibody

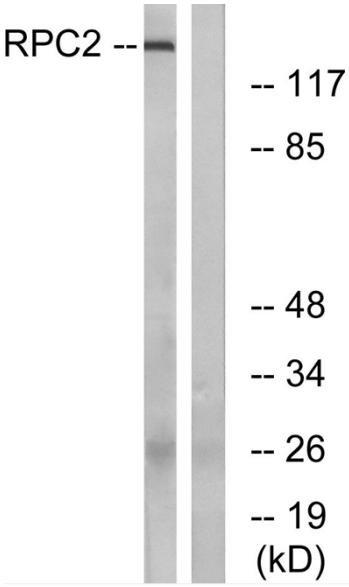
Catalog No	YP-Ab-01950
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	POLR3B
Protein Name	DNA-directed RNA polymerase III subunit RPC2
Immunogen	The antiserum was produced against synthesized peptide derived from human POLR3B. AA range:321-370
Specificity	POLR3B Polyclonal Antibody detects endogenous levels of POLR3B protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA 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 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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
Observed Band	128kD
Cell Pathway	Nucleus .
Tissue Specificity	Muscle,Teratocarcinoma,Tongue,Uterus endothel,
Function	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 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. Negetive 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.