

## POLR2D antibody

### Product Information

Catalog No.:	FNab06622
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

### Background

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. RPB4 is part of a subcomplex with RPB7 that binds to a pocket formed by RPB1, RPB2 and RPB6 at the base of the clamp element. The RPB4-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).

### Immunogen information

Immunogen:	polymerase(RNA) II(DNA directed) polypeptide D
Synonyms:	DNA-directed RNA polymerase II subunit RPB4 (RNA polymerase II subunit B4) DNA-directed RNA polymerase II subunit D RNA polymerase II 16 kDa subunit (RPB16) POLR2D
Observed MW:	16-20 kDa
Uniprot ID :	O15514

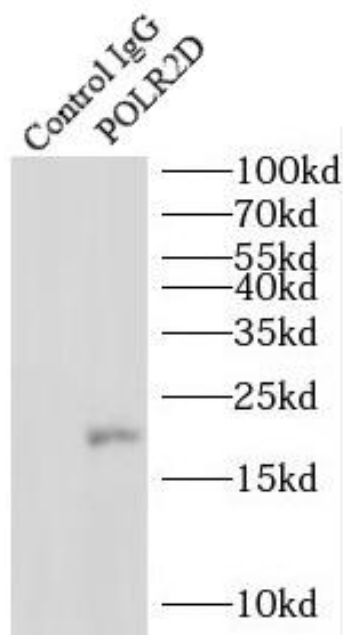
### Application

Reactivity:	Human, Mouse, Rat
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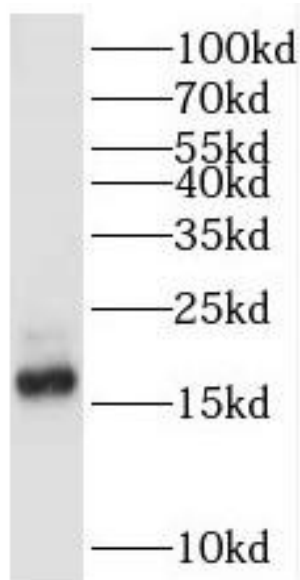
Tested Application: ELISA, WB, IP

Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:2000

Image:



IP Result of anti-POLR2D (IP:FNab06622, 4ug;  
Detection:FNab06622 1:800) with mouse heart  
tissue lysate 4000ug.



HeLa cells were subjected to SDS PAGE followed  
by western blot with FNab06622 (POLR2D  
antibody) at dilution of 1:3000