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Datasheet for ABIN7150435  
**anti-POLR2D antibody (AA 1-142) (Biotin)**

### Overview

Quantity:	100 µg
Target:	POLR2D
Binding Specificity:	AA 1-142
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POLR2D antibody is conjugated to Biotin
Application:	ELISA

### Product Details

Immunogen:	Recombinant Human DNA-directed RNA polymerase II subunit RPB4 protein (1-142AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	POLR2D
Alternative Name:	POLR2D ( <a href="#">POLR2D Products</a> )
Background:	Background: DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Component of RNA polymerase II

## Target Details

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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.

Aliases: DNA directed RNA polymerase II 16 kDa polypeptide antibody, DNA directed RNA polymerase II subunit D antibody, DNA directed RNA polymerase II subunit RPB4 antibody, DNA-directed RNA polymerase II 16 kDa polypeptide antibody, DNA-directed RNA polymerase II subunit D antibody, DNA-directed RNA polymerase II subunit rpb4 antibody, HSRBP4 antibody, HSRBP4 antibody, polr2d antibody, polymerase RNA II DNA directed polypeptide D antibody, RBP4 antibody, RNA polymerase II 16 kDa subunit antibody, RNA polymerase II subunit B4 antibody, RNA polymerase II subunit D antibody, RNA polymerase II subunit hsRBP4 antibody, RPB16 antibody, RPB4\_HUMAN antibody

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UniProt: [O15514](#)

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Pathways: [Regulatory RNA Pathways](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C,-80 °C

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.