

Datasheet for ABIN657740
anti-POLR3B antibody (N-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	400 µL
Target:	POLR3B
Binding Specificity:	AA 330-359, N-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	This POLR3B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 330-359 amino acids from the N-terminal region of human POLR3B.
Clone:	RB32825
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	POLR3B
Alternative Name:	POLR3B (POLR3B Products)
Background:	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

Target Details

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 (By similarity). Plays a key role in sensing and limiting infection by intracellular bacteria and DNA viruses. Acts as nuclear and cytosolic DNA sensor involved in innate immune response. Can sense non-self dsDNA that serves as template for transcription into dsRNA. The non-self RNA polymerase III transcripts, such as Epstein-Barr virus-encoded RNAs (EBERs) induce type I interferon and NF-Kappa-B through the RIG-I pathway.

Molecular Weight: 127785

Gene ID: 55703

NCBI Accession: [NP_001154180](#), [NP_060552](#)

UniProt: [Q9NW08](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

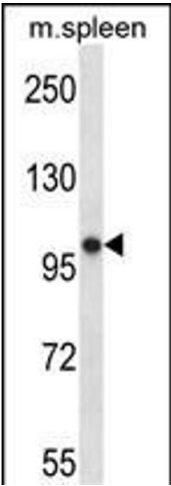
Preservative: Sodium azide

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

Storage: 4 °C,-20 °C

Storage Comment: POLR3B Antibody (N-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

Expiry Date: 6 months



Western Blotting

Image 1. POLR3B Antibody (N-term) (ABIN657740 and ABIN2846724) western blot analysis in mouse spleen tissue lysates (35 µg/lane). This demonstrates the POLR3B antibody detected the POLR3B protein (arrow).