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Datasheet for ABIN7269456 anti-POLB antibody

3 Images



### Overview

Quantity:	100 μL
Target:	POLB
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This POLB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Purpose:	DNA Polymerase beta Rabbit mAb
Immunogen:	A synthesized peptide derived from human DNA Polymerase beta
lsotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

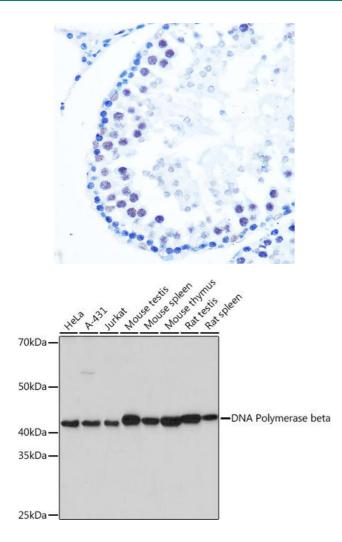
# Target Details

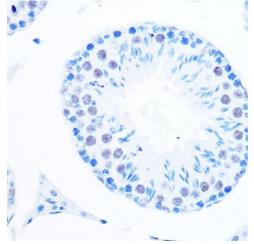
Target:	POLB
Alternative Name:	POLB (POLB Products)
Background:	The protein encoded by this gene is a DNA polymerase involved in base excision and repair,

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## Target Details

	also called gap-filling DNA synthesis. The encoded protein, acting as a monomer, is normally
	found in the cytoplasm, but it translocates to the nucleus upon DNA damage. Several transcript
	variants of this gene exist, but the full-length nature of only one has been described to date.
	[provided by RefSeq, Sep 2011],POLB, DNA polymerase beta,Apoptosis,Cell Biology &
	Developmental Biology,DNA Damage & Repair,Epigenetics & Nuclear Signaling,POLB
Molecular Weight:	38kDa
Gene ID:	5423
UniProt:	P06746
Pathways:	DNA Damage Repair
Application Details	
Application Notes:	WB,1:500 - 1:2000, IHC,1:50 - 1:200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.





#### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded rat testis using DNA Polymerase beta Rabbit mAb (ABIN7269456) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

#### Western Blotting

Image 2. Western blot analysis of extracts of various cell using DNA Polymerase lines, beta Rabbit mAb (ABIN7269456) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit lgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 5s.

#### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded mouse testis using DNA Polymerase beta Rabbit mAb (ABIN7269456) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

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