

# Product Datasheet

## DNA Polymerase lambda Antibody NB100-1358

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NB100-1358****DNA Polymerase lambda Antibody****Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

**Product Description**

<b>Host</b>	Goat
<b>Gene ID</b>	27343
<b>Gene Symbol</b>	POLL
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	This product may crossreact with Pol beta (NP_002681), an evolutionarily related polymerase with a predicted size of 39 kDa. The overall % of identity is not very high (about 32% in the core), but considering only the peptide that we used as immunogen, the two share the sequence YREP**R** at the C-terminus. Furthermore, the protein structures appear to be very similar in this region.
<b>Immunogen</b>	Peptide with sequence C-LGLPYREPAERDW corresponding to C-Terminus according to NP_037406.1.

**Product Application Details**

<b>Applications</b>	Western Blot, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 0.5-1 ug/ml, Peptide ELISA Detection limit 1:32000
<b>Application Notes</b>	WB: Approx 60 kDa band observed in cell lysates of A549 and approx 60-70 kDa in cell lysates of HepG2 (calculated MW of 63.5k Da according to Human NP_037406.1).

**Images**

Western Blot: DNA Polymerase lambda Antibody [NB100-1358] - Staining of A549 (A) and HepG2 (B) cell lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**Publications**

Garcia-Diaz M, Bebenek K, Sabariego R et al. DNA polymerase lambda, a novel DNA repair enzyme in human cells. J Biol Chem 2002-04-12 [PMID: 11821417]



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### **Products Related to NB100-1358**

NBL1-14573	DNA Polymerase lambda Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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