



# DNA Pol $\mu$ rabbit pAb

Cat No.:ES3835

For research use only

## Overview

<b>Product Name</b>	DNA Pol $\mu$ rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	Synthesized peptide derived from DNA Pol $\mu$ . at AA range: 210-290
<b>Specificity</b>	DNA Pol $\mu$ Polyclonal Antibody detects endogenous levels of DNA Pol $\mu$ protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	DNA-directed DNA/RNA polymerase mu
<b>Gene Name</b>	POLM
<b>Cellular localization</b>	Nucleus .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	54kD
<b>Human Gene ID</b>	27434
<b>Human Swiss-Prot Number</b>	Q9NP87
<b>Alternative Names</b>	POLM; polmu; DNA-directed DNA/RNA polymerase mu; Pol Mu; Terminal transferase
<b>Background</b>	catalytic activity:Deoxynucleoside triphosphate + DNA(n) = diphosphate + DNA(n+1).,cofactor:Magnesium.,function:Seems to act as an Ig mutase which is responsible for immunoglobulin (Ig) gene hypermutation.,similarity:Belongs to the DNA polymerase type-X family.,similarity:Contains 1 BRCT

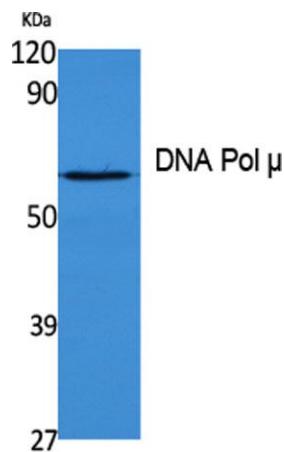


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domain., tissue specificity:Expressed in a number of tissues. Abundant in thymus.,

Western Blot analysis of extracts from K562 cells, using DNA Pol  $\mu$  Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA)



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