

Rabbit DNA Polymerase beta Polyclonal Antibody | anti-POLB antibody

DNA Polymerase beta Antibody

CATALOG # AAA307274	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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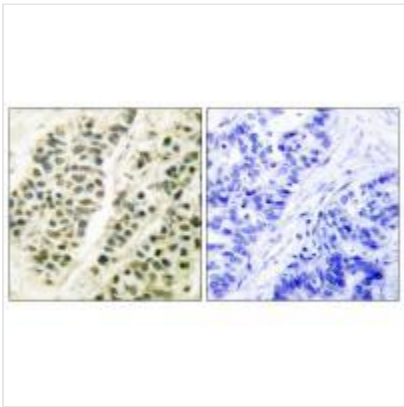
PRODUCT SYNONYMS

DNA Polymerase beta; Polyclonal Antibody; DNA Polymerase beta Antibody; DNA Polymerase b Antibody; DNA polymerase beta; EC 2.7.7.7; EC 4.2.99; anti-POLB antibody

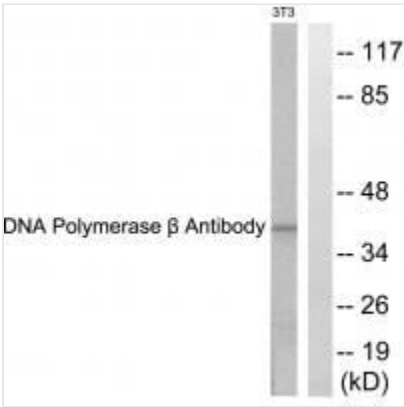
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total DNA Polymerase b protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	335
Applicable Applications for anti-POLB antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human DNA Polymerase b.
Target Name	DNA Polymerase b
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using DNA Polymerase b antibody.



WB (Western Blot)
Western blot analysis of extracts from NIH/3T3 cells, using DNA Polymerase b antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-POLB antibody	Repair polymerase that plays a key role in base-excision repair. Has 5'-deoxyribose-5-phosphate lyase (dRP lyase) activity that removes the 5' sugar phosphate and also acts as a DNA polymerase that adds one nucleotide to the 3' end of the arising single-nucleotide gap. Conducts 'gap-filling' DNA synthesis in a stepwise distributive fashion rather than in a processive fashion as for other DNA polymerases.Hiroyuki Matsumoto, Plant Cell Physiol., Nov 1981; 22: 1317 - 1324.L.K. Karagoyzov, Nucleic Acids Res., Jun 1978; 5: 1907 - 1917.F Costanzo, J. Virol., Mar 1977; 21: 996 - 1001.AJ Faber, Eur. J. Biochem., Nov 1981; 120: 357.
Product Categories/Family for anti-POLB antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505931
NCBI GeneID	5423
NCBI Accession #	NP_002681.1
NCBI GenBank Nucleotide #	NM_002690.2
UniProt Accession #	P06746; Q3KP48; Q6FI34; B2RC78
Molecular Weight	38,178 Da
NCBI Official Full Name	DNA polymerase beta
NCBI Official Synonym Full Names	polymerase (DNA directed), beta
NCBI Official Symbol	POLB
NCBI Protein Information	DNA polymerase beta
UniProt Protein Name	DNA polymerase beta
UniProt Gene Name	POLB
UniProt Entry Name	DPOLB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.