

Rabbit DNA Polymerase beta Polyclonal Antibody | anti-POLB antibody

DNA Polymerase beta Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288453	Rabbit	Human, mouse, rat	Immunohistochemistry, ELISA, Western Blot

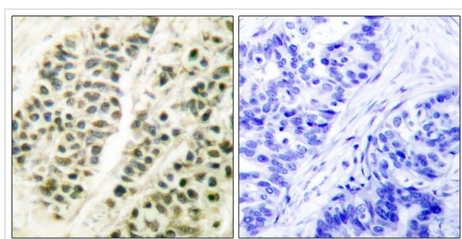
PRODUCT SYNONYMS

DNA Polymerase beta; Polyclonal Antibody; DNA Polymerase beta Antibody; DNA Polymerase b Antibody; DNA polymerase beta; 4299-; POLB; anti-POLB antibody

PRODUCT SPECIFICATIONS

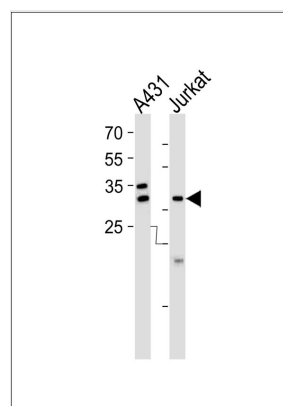
Host	Rabbit
Reactivity	Human, mouse, rat
Clonality	Polyclonal
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Positions	310-335
Sequence Length	335
Applicable Applications for anti-POLB antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using DNA Polymerase beta antibody.



WB (Western Blot)

Western blot analysis of lysates from A431, Jurkat cell line (from left to right), using DNA Polymerase beta Antibody (AAA288453). AAA288453 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

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.
References	Patterson T.A.,et al.Protein Expr. Purif. 18:100-110(2000). Dobashi Y.,et al.Hum. Genet. 95:389-390(1995). Chyan Y.-J.,et al.Nucleic Acids Res. 22:2719-2725(1994). Ota T.,et al.Nat. Genet. 36:40-45(2004). Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

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	38178
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.