

Rabbit anti-Human POLB Polyclonal Antibody | anti-POLB antibody

Anti-POLB Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256686	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

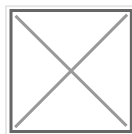
PRODUCT SYNONYMS

POLB; Polyclonal Antibody; Anti-POLB Antibody; Rabbit Polyclonal; POLB Antibody; Rabbit PAb; Antigen Affinity Purified; polymerase (DNA directed); beta; anti-POLB antibody

PRODUCT SPECIFICATIONS

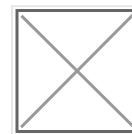
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human POLB
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-POLB antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human POLB fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human POLB fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

POLB was immunoprecipitated using: Lane A: 0.5 mg A431 Whole Cell Lysate 4 uL anti-POLB rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-POLB rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 37 kDa. Observed band size: 40 kDa.



IHC (Immunohistochemistry)

Immunochemical staining of human POLB in human testis with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human POLB in human gallbladder with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-POLB rabbit polyclonal antibody at 1:500 dilution
Lane A: HeLa Whole Cell Lysate
Lane B: Jurkat Whole Cell Lysate
Lane C: A431 Whole Cell Lysate
Lysates/proteins at 30 ug per lane.
Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.
Developed using the ECL technique.
Performed under reducing conditions.
Predicted band size: 37 kDa
Observed band size: 40 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-POLB antibody

The DNA polymerase beta gene (POLB), which encodes a DNA polymerase believed to be involved in short gap-filling DNA synthesis, has been mapped to the proximal region of 8p (8p12-p11), a region commonly deleted in bladder carcinoma and a wide variety of other neoplasms. The polB gene encodes DNA polymerase II in Escherichia coli. The nucleotide sequence shows an open reading frame of 2,304 nucleotides coding for a protein of 88 kD. The protein initiation signal is preceded by a lexA box lying 2 nucleotides from the termination signal of araD and begins with GUG 75 nucleotides after the termination of araD. The polB gene and the araD gene are transcribed in the same direction. Initiation of protein synthesis was confirmed by peptide sequence. DNA polymerase beta (POLB) mediates the efficacy of chemotherapy through DNA repair machinery.

References

Iwatsuki M, et al. (2009) A platinum agent resistance gene, polb, is a prognostic indicator in colorectal cancer. J Surg Oncol 100 (3): 261-266.
Eydmann ME, et al. (1997) Mutation analysis of 8p genes polb and ppp2cb in bladder cancer. Cancer Genet Cytogenet 93 (2): 167-171.
Chen H, et al. (1990) Nucleotide sequence and deletion analysis of the polb gene of escherichia coli. DNA Cell Biol 9 (9): 631-635.

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/polb-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/256686>