

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

POLB Polyclonal Antibody

CATALOG # AAA37014	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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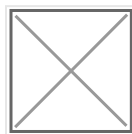
PRODUCT SYNONYMS

POLB; Polyclonal Antibody; POLB Polyclonal Antibody; MGC125976; anti-POLB antibody

PRODUCT SPECIFICATIONS

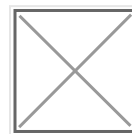
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration	1mg/ml (varies by lot)
Sequence Length	335
Applicable Applications for anti-POLB antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-335 of human POLB (NP_002681.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



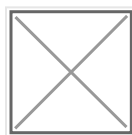
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Mouse kidney using POLB antibody (AAA37014) at dilution of 1:100 (40x lens).



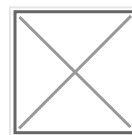
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human stomach using POLB antibody (AAA37014) at dilution of 1:100 (40x lens).



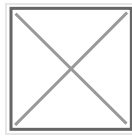
IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using POLB antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts from normal (control) and POLB knockout(KO) HeLa cells, using POLB antibody(AAA37014) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L)) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using POLB antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-POLB antibody	The protein encoded by this gene is a DNA polymerase involved in base excision and repair, also called gap-filling DNA synthesis. The encoded protein, acting as a monomer, is normally found in the cytoplasm, but it translocates to the nucleus upon DNA damage. Several transcript variants of this gene exist, but the full-length nature of only one has been described to date. [provided by RefSeq, Sep 2011]
Product Categories/Family for anti-POLB antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	544186
NCBI GeneID	5423
UniProt Accession #	P06746; Q3KP48; Q6FI34; B2RC78
Molecular Weight	Calculated MW: 38kDa Observed: 37kDa
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; DNA pol beta; mutant DNA polymerase beta; DNA polymerase beta subunit
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/polb-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/37014>