

[KO Validated] DNA Polymerase beta Rabbit pAb

Catalog No.: A1681 **KO** **Validated** **3 Publications**

Basic Information

Observed MW

37kDa

Calculated MW

38kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse

Background

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.

Recommended Dilutions

WB	1:200 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:20 - 1:200

Immunogen Information

Gene ID

5423

Swiss Prot

P06746

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-335 of human DNA Polymerase beta (NP_002681.1).

Synonyms

POLB; ta

Contact

	400-999-6126
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Product Information

Source

Rabbit

Isotype

IgG

Purification

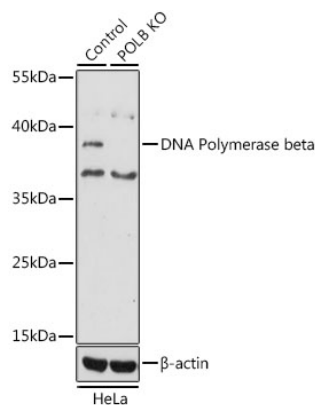
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts from normal (control) and DNA Polymerase beta knockout (KO) HeLa cells, using DNA Polymerase beta antibody (A1681) at 1:1000 dilution.

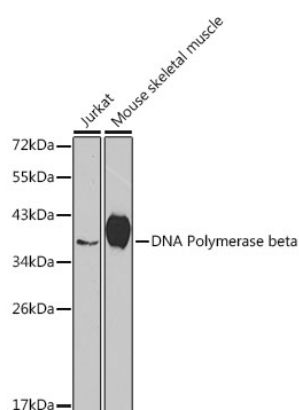
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.

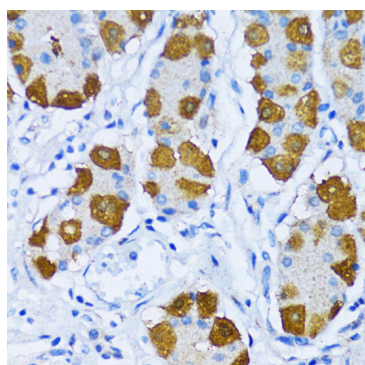


Western blot analysis of extracts of various cell lines, using DNA Polymerase beta antibody (A1681) at 1:1000 dilution.

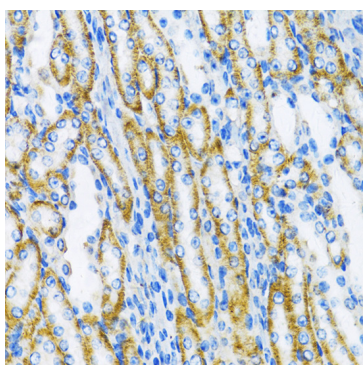
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

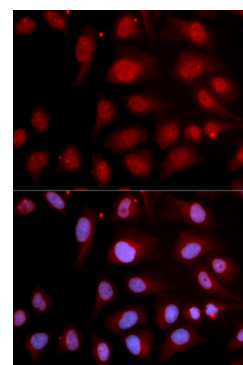
Blocking buffer: 3% nonfat dry milk in TBST.



Immunohistochemistry analysis of paraffin-embedded Human stomach using DNA Polymerase beta antibody (A1681) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney using DNA Polymerase beta antibody (A1681) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunofluorescence analysis of U2OS cells using DNA Polymerase beta antibody (A1681). Blue: DAPI for nuclear staining.