

A1681

Leader in Biomolecular Solutions for Life Science



[KO Validated] DNA Polymerase beta Rabbit pAb

Catalog No.: A1681

KO Validated

4 Publications

Basic Information

Observed MW

37kDa

Calculated MW

38kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,IF/ICC,ELISA

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

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

5423

Swiss Prot

P06746

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

POLB; ta

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

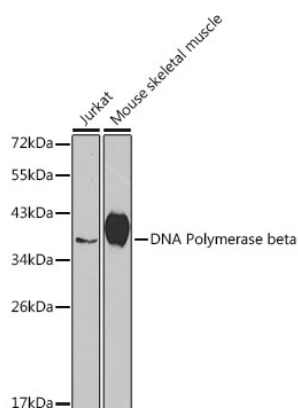
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Contact

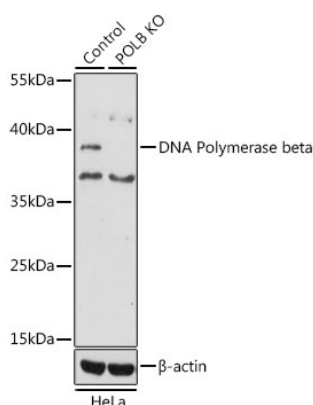


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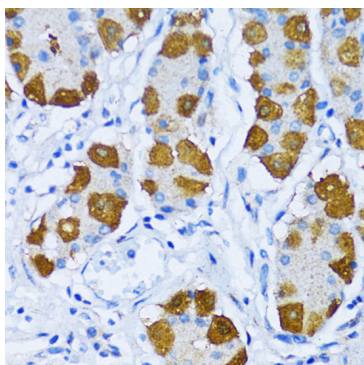
Validation Data



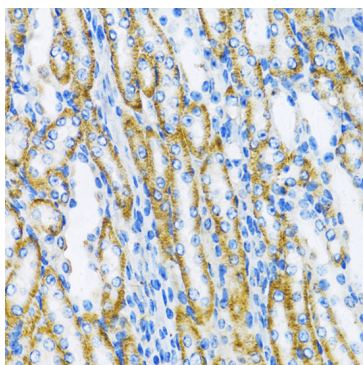
Western blot analysis of various lysates using [KO Validated] DNA Polymerase beta Rabbit pAb (A1681) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.



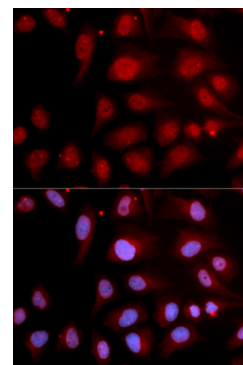
Western blot analysis of lysates from wild type (WT) and DNA Polymerase beta knockout (KO) HeLa cells, using [KO Validated] DNA Polymerase beta Rabbit pAb (A1681) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded Human stomach using [KO Validated] DNA Polymerase beta Rabbit pAb (A1681) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney using [KO Validated] DNA Polymerase beta Rabbit pAb (A1681) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of U2OS cells using [KO Validated] DNA Polymerase beta Rabbit pAb (A1681). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.