

Rabbit POLK Polyclonal Antibody | anti-POLK antibody

POLK Polyclonal Antibody

CATALOG # AAA280078	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

POLK; Polyclonal Antibody; POLK Polyclonal Antibody; DINP; POLQ; DINB1; anti-POLK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	870
Applicable Applications for anti-POLK antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human POLK
Calculated Molecular Weight	98kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)

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



IF (Immunofluorescence)

Immunofluorescence analysis of GFP-RNF168 transgenic U2OS cells using POLK antibody. Green:GFP-RNF168 fusion protein expression for DNA damage marker.Blue: DAPI for nuclear staining.RNF168(GFP) can be used to mark cells damaged by UV-A laser for they always gather around DNA damage region.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using POLK 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. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-POLK antibody	External and internal DNA-damaging agents continually threaten the integrity of genetic material in cells. Although a variety of repair mechanisms exist to remove the resulting lesions, some lesions escape repair and block the replication machinery. Members of the Y family of DNA polymerases, such as POLK, permit the continuity of the replication fork by allowing replication through such DNA lesions. Each Y family polymerase has a unique DNA-damage bypass and fidelity profile. POLK is specialized for the extension step of lesion bypass (summary by Lone et al., 2007)
Product Categories/Family for anti-POLK antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	59798438
NCBI GeneID	51426
UniProt Accession #	Q9UBT6; Q5Q9G5; Q5Q9G6; Q5Q9G7; Q5Q9G8; Q86VJ8; Q8IZY0; Q8IZY1; Q8NB30; Q96L01; Q96Q86; B2RBD2
Molecular Weight	870
NCBI Official Full Name	DNA polymerase kappa
NCBI Official Synonym Full Names	polymerase (DNA directed) kappa
NCBI Official Symbol	POLK
NCBI Official Synonym Symbols	DINP; POLQ; DINB1
NCBI Protein Information	DNA polymerase kappa
UniProt Protein Name	DNA polymerase kappa
UniProt Gene Name	POLK
UniProt Synonym Gene Names	DINB1; DINP
UniProt Entry Name	POLK_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/polk-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/280078>