Rabbit anti-Human Pol kappa Polyclonal Antibody | anti-Polkappa antibody

Rabbit anti-Pol kappa Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211703	**Rabbit**	**Human**	**Immunoprecipitation, Western Blot**

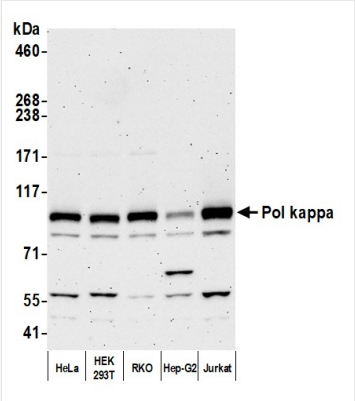
PRODUCT SYNONYMS

Pol kappa; Polyclonal Antibody; Rabbit anti-Pol kappa Antibody; Affinity Purified; DINP; polymerase (DNA directed) kappa; DINB protein; DNA polymerase kappa; DINB1; POLQ; anti-Polkappa antibody

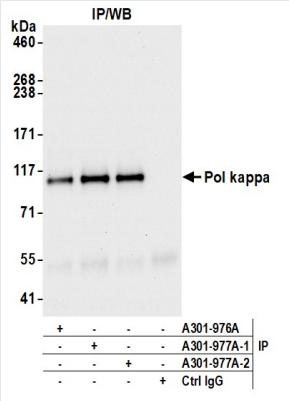
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-Polkappa antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 820 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)
Detection of human Pol kappa by western blot. Samples: Whole cell lysate (10 ug) from HeLa, HEK293T, RKO, Hep-G2, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Pol kappa antibody (AAA211703 lot 2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)
Detection of human Pol kappa by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-Pol kappa antibody (AAA211703 lot 2) used for IP at 6 ug per reaction. Pol kappa was also immunoprecipitated by a previous lot of this antibody (AAA211703 lot 1) and a second antibody against a different epitope of Pol kappa . For blotting immunoprecipitated Pol kappa, AAA211703 was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-Polkappa antibody	DNA polymerase kappa (Pol kappa) is a DNA polymerase specifically involved in DNA repair. It is critical to translesion synthesis and can bypass DNA damage that would typically arrest high-fidelity DNA synthesis.
Product Categories/Family for anti-Polkappa antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	7705344
NCBI GeneID	51426
NCBI Accession #	NP_057302.1
NCBI GenBank Nucleotide #	NM_016218.2
UniProt Accession #	Q9UBT6; Q5Q9G5; Q5Q9G6; Q5Q9G7; Q5Q9G8; Q86VJ8; Q8IZY0; Q8IZY1; Q8NB30; Q96L01; Q96Q86; B2RBD2
Molecular Weight	88,342 Da
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/pol-kappa-antibody-immunoprecipitation-western-blot-elisa/211703