For Research Use Only

POLK Polyclonal antibody

Catalog Number:14455-1-AP

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
14455-1-AP

Size:
150ul , Concentration: 800 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG6034

GenBank Accession Number:
BC050718

GeneID (NCBI):
51426

Full Name:
polymerase (DNA directed) kappa

Calculated MW:
99 kDa

Observed MW:
70 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:2000-1:10000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : MCF-7 cells, HeLa cells

Background Information

POLK, also named as DINB1, belongs to the DNA polymerase type-Y family. POLK is a DNA polymerase specifically involved in DNA repair. POLK Plays an important role in translesion synthesis, where the normal high-fidelity DNA polymerases cannot proceed and DNA synthesis stalls. Depending on the context, POLK inserts the correct base, but causes frequent base transitions, transversions and frameshifts. POLK is ubiquitously expressed in tissues, but is most abundant in testis, adrenal gland and ovary (PMID: 15661663). POLK has 8 isoforms with the molecular mass of 42-99 kDa.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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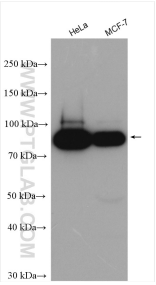
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14455-1-AP (POLK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.