

For Research Use Only

POLK Polyclonal antibody

Catalog Number: 14455-1-AP



Basic Information

Catalog Number: 14455-1-AP	GenBank Accession Number: BC050718	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop;	GeneID (NCBI): 51426	Recommended Dilutions: WB 1:2000-1:10000
Source: Rabbit	Full Name: polymerase (DNA directed) kappa	
Isotype: IgG	Calculated MW: 99 kDa	
Immunogen Catalog Number: AG6034	Observed MW: 70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : MCF-7 cells, HeLa cells
Species Specificity: human	

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.

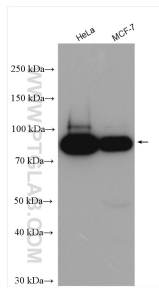
Storage

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

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
W: ptglab.com

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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.