SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-POLK Polyclonal Antibody

Catalog Number: SLA0077

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
GeneID:	51426
Target:	POLK
Immunogen:	KLH conjugated synthetic peptide derived from human POLK
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) ELISA (1:5000-10000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Mouse,Rat
Predicted MW.:	99 kDa
Subcellular Location:	Nucleus
Background:	This gene encodes a member of the DNA polymerase type-Y family of proteins. The encoded protein is a specialized DNA polymerase that catalyzes translesion DNA synthesis, which allows DNA replication in the presence of DNA lesions. Human cell lines lacking a functional copy of this gene exhibit impaired genome integrity and enhanced susceptibility to oxidative damage. Mutations in this gene that impair enzyme activity may be associated with prostate cancer in human patients. [provided by RefSeq, Sep 2016]

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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[VALIDATION IMAGES]

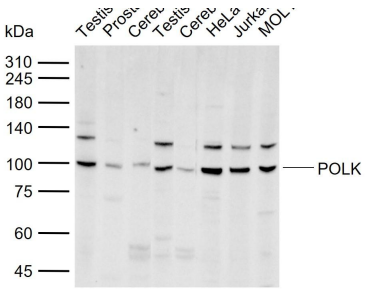


Figure 1. Sample:
Lane 1: Mouse Testis tissue lysates
Lane 2: Mouse Prostate tissue lysates
Lane 3: Mouse Cerebrum tissue lysates
Lane 4: Rat Testis tissue lysates
Lane 5: Rat Cerebrum tissue lysates
Lane 6: Human HeLa cell lysates
Lane 7: Human Jurkat cell lysates
Lane 8: Human MOLT4 cell lysates
Primary: Anti-POLK (SLA0077) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 99 kDa
Observed band size: 100 kDa

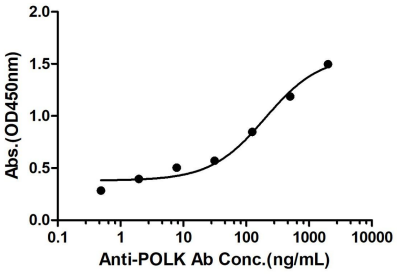


Figure 2. Measured by its binding ability in a indirect ELISA. Immobilized Human POLK protein, His Tag (Cat. SL25393P) at 2 μg/mL (100 μL/well) can bind Rabbit Anti-Human POLK Antibody, the EC50 is 199.8 ng/mL.
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