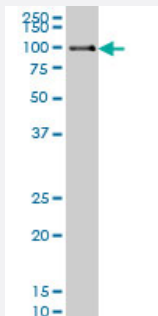


POLK monoclonal antibody (M01), clone 6F2

Catalog # H00051426-M01

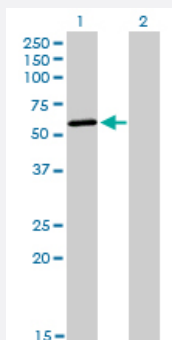
Size 100 ug

Applications



Western Blot (Cell lysate)

POLK monoclonal antibody (M01), clone 6F2 Western Blot analysis of POLK expression in HeLa S3 NE (Cat # L013V3).

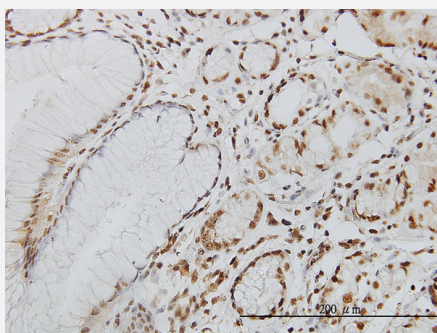


Western Blot (Transfected lysate)

Western Blot analysis of POLK expression in transfected 293T cell line by POLK monoclonal antibody (M01), clone 6F2.

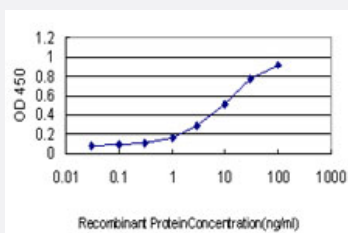
Lane 1: POLK transfected lysate(54.1 KDa).

Lane 2: Non-transfected lysate.



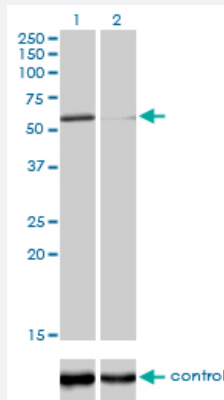
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to POLK on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3 ug/ml]



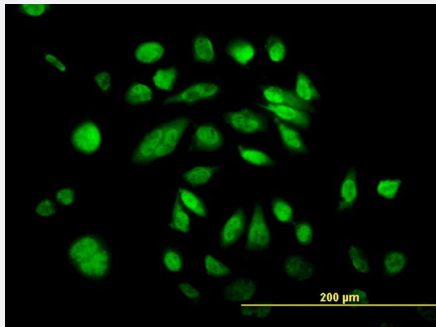
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged POLK is approximately 0.3ng/ml as a capture antibody.



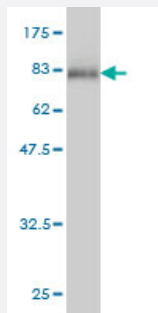
RNAi Knockdown (Antibody validated)

Western blot analysis of POLK over-expressed 293 cell line, cotransfected with POLK Validated Chimera RNAi (Cat # H00051426-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with POLK monoclonal antibody (M01), clone 6F2 (Cat # H00051426-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Immunofluorescence

Immunofluorescence of monoclonal antibody to POLK on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (77.66 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant POLK.

Immunogen

POLK (AAH50718, 1 a.a. ~ 472 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MDSTKEKCDSYKDDLLLRMGLNDNKAGMEGLDKEKINKIIMEATKGSRFYGNELKKEKQVQNQRIE
NMMQKKAQITSQQLRKAQLQVDRFAMELEQSRNLSNTIVHIDMDAFYA A VEMRDNP ELKDKPIAV
GSMSMLSTSNYHARRFGVRAAMPGFIAKRLCPQLIVPPNFDKYRAVSKEVKEILADYDPNFMAMS
LDEAYLNITKHLEERQNWPE DKRRYFIKMGSSVENDNPGKEVNKLSEHERSISPLLFEESPSDVQ
PPGDPFQVNFEEQNNPQILQNSVVFGTSAQEVVKEIRFRIEQKTTLTASAGIAPNTMLAKVCSDKN
KPNGQYQILPNRQAVMDFIKDLPIRKVSGIGKVTEKMLKALGIITCTEL YQQRALLSLLFSETSWHYF
LHISLGLGSTHLTRDGERKSMSVERTFSEINKAEEQYSLCQELCSELAQDLQKERLKVLYFDMVSL
VFKFFNSKMLP

Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (88)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (77.66 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

POLK monoclonal antibody (M01), clone 6F2 Western Blot analysis of POLK expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of POLK expression in transfected 293T cell line by POLK monoclonal antibody (M01), clone 6F2.

Lane 1: POLK transfected lysate(54.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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[Protocol Download](#)

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[Protocol Download](#)

- ELISA

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[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of monoclonal antibody to POLK on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — POLK

Entrez GeneID	51426
GeneBank Accession#	BC050718
Protein Accession#	AAH50718
Gene Name	POLK
Gene Alias	DINB1, DINP, POLQ
Gene Description	polymerase (DNA directed) kappa
Omim ID	605650
Gene Ontology	Hyperlink
Other Designations	DINB protein DNA polymerase kappa other name:POLK polymerase (DNA-directed) kappa

Publication Reference

- [Both High-fidelity Replicative and Low-fidelity Y-family Polymerases are Involved in DNA Rereplication.](#)

Sekimoto T, Oda T, Kurashima K, Hanaoka F, Yamashita T.

Molecular and Cellular Biology 2015 Feb; 35(4):699.

Application: IF, WB-Ce, Human, U2OS, HCT116 cells

Disease

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- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
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