

POLE3 polyclonal antibody

Catalog: BS8241

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

DNA replication is initiated by the binding of initiation factors to the origin of replication. Nucleosomes inhibit access to the replication machinery at these origin sequences. Nucleosome remodeling factors increase the accessibility of nucleosomal DNA to transcriptional regulators. CHRAC15 and CHRAC17 are subunits of the nucleosomal remodeling factor CHRAC (chromatin accessibility complex), which increases the accessibility of nucleosomal DNA in an ATP-dependent manner. Unlike other known chromatin remodelling factors, CHRAC also functions during chromatin assembly by using ATP to convert irregular chromatin into a regular array of nucleosomes with even spacing. This conversion process occurs when CHRAC organizes randomly deposited histones into a regularly spaced array. In the presence of CHRAC, the nucleosomal ATPase ISWI catalyses several ATP-dependent transitions of chromatin structure.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 20-25 kDa

Swiss-Prot:

Q9NRF9

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:2000

IF: 1:50~1:200

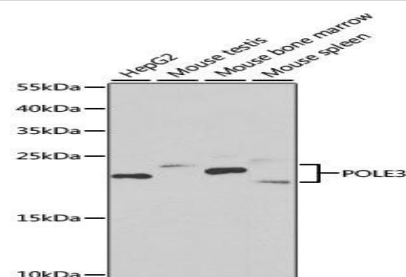
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

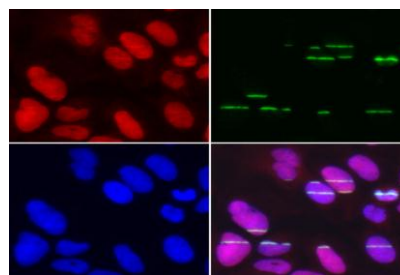
Specificity:

POLE3 polyclonal antibody detects endogenous levels of POLE3 protein.

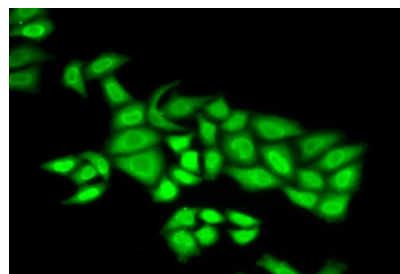
DATA:



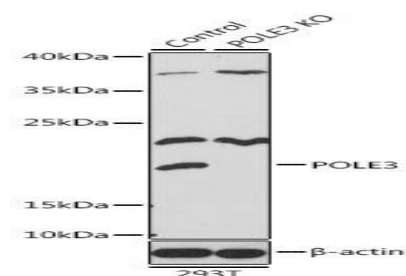
Western blot analysis of POLE3 antibody.



Immunofluorescence analysis of U2OS cell using POLE3 antibody.



Immunofluorescence analysis of U2OS cell using POLE3 antibody. Green:gamma H2AX (phospho S139) used for DNA damage marker. Blue: DAPI for nuclear staining. Cells were treated by UV-A laser.



Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151



PRODUCT DATA SHEET

Bioworld Technology, Inc.

Western blot analysis of extracts from normal (control) and POLE3 knockout (KO) 293T cells, using POLE3 antibody.

Note:

For research use only, not for use in diagnostic procedure.

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MN 55416, USA.

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