



Anti-POLB (DNA polymerase beta) Dimethylated Polyclonal Antibody

Category: Polyclonal Antibody

Catalog#: Dimethyl (me) arginine AB1F063(Dimethylated site: 152 R)

Species Reactivity: Human, mouse, rat

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of human POLB (DNA polymerase beta)

Description: POLB (DNA polymerase beta) is a repair polymerase. POLB conducts 'gap-filling' DNA synthesis in a stepwise distributive fashion rather than in a processive fashion as for other DNA polymerases. POLB has a 5'-deoxyribose-5-phosphate lyase (dRP lyase) activity. POLB binds 2 magnesium ions per subunit (By similarity).POLB belongs to the DNA polymerase type-X family.

Reference:

Patterson,T.A., et al, Protein Expr. Purif. 18 (1), 100-110 (2000)
Dobashi,Y., et al, Hum. Genet. 95 (4), 389-390 (1995)
Chyan,Y.J.,et al, Nucleic Acids Res. 22 (14), 2719-2725 (1994)
Widen,S.G., et al, J. Biol. Chem. 263 (32), 16992-16998 (1988)
Abbotts,J., et al, Biochemistry 27 (3), 901-909 (1988)
SenGupta,D.N.,et al, Biochem. Biophys. Res. Commun. 136 (1), 341-347 (1986)
Matsumoto,Y., et al, Biochemistry 37 (18), 6456-6464 (1998)
DeMott,M.S., et al, J. Biol. Chem. 277 (10), 7637-7640 (2002)
El-Andaloussi,N., et al, Mol. Cell 22 (1), 51-62 (2006)
Sawaya,M.R., et al, Biochemistry 36 (37), 11205-11215 (1997)

For Research Use Only

Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: Info@antageneinc.com