

Monoclonal Antibody to DNA Polymerase, beta

Catalog No.:	DM3068
Quantity:	0.1 mg
Concentration:	0.2 mg/ml
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), SM20P (for use in rat samples), AM03095PU-N
Clone:	18S
Immunogen:	Rat DNA polymerase beta protein

Format: This antibody is supplied as liquid, Protein G affinity purified immunoglobulin fraction in 10 mM PBS, pH 7.4, with 0.09% sodium azide as preservative and 0.2% BSA as stabilizer.

Applications: Effect on Polymerase Activity (Non-inhibitory)(1). Immunoprecipitation (Denatured verified); Use Protein G; Ab at 2µg/mg protein lysate. Western Blotting: Ab 1-2µg/ml for 2hrs at RT. Recommended positive control: HeLa Cells. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: DNA polymerase b comprises an amino-terminal 8 kD domain and a carboxyterminal 31 kD domain. The N-terminal ssDNA binding domain has a deoxyribose phosphodiesterase activity while the C-terminal domain has a nucleotidyltransferase activity. Mammalian DNA Polymerase b, a DNA repair polymerase, is constitutively expressed in cultured cells. Reacts with Human, Cow, Mouse, Rat, Hamster, and Xenopus. Others not tested. Cellular Localization: nuclear.

Mol. Wt. of Antigen: 39kD

Storage: Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch.

General Readings: 1. Srivastava DK, et. al. Journ