

## Anti-DNA polymerase $\delta$ subunit p66 antibody, monoclonal (2A1C11)

70-055      50  $\mu$ g      70-056      250  $\mu$ g

Polymerase  $\delta$  is one of the three essential DNA polymerases of eukaryotes for chromosome replication, and also involved in nucleotide excision repair, base excision repair and VDJ recombination (1, 2). p66 is a functionally important subunit of human polymerase  $\delta$ , stabilizes polymerase  $\delta$  complex and increases the affinity of polymerase  $\delta$  for PCNA (3).

This product is the IgG fraction purified from serum-free culture medium of mouse hybridoma (2A1C11) by propriety chromatography under mild conditions.

### Applications

1) Western blotting. 2) Immunoprecipitation. 3) Other applications, not tested

**Antigen:** Recombinant human p66 subunit of DNA polymerase  $\delta$

**Reactivity:** Human p66 protein, not tested for other species

**Isotype:** IgG2B (kappa)

**Form:** Purified monoclonal antibody (IgG) 1mg/ml in PBS (pH 7.4)

50% glycerol, sterile-filtered, azide free

**Storage:** -20°C (long period, -80°C)

**References:** This product was used in references 3.

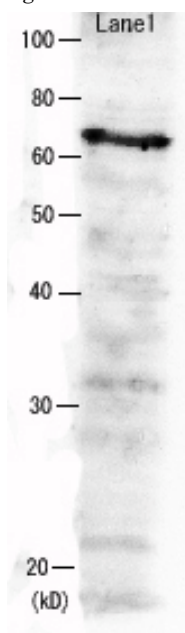
1. Hindges R and Hubscher U Biol. Chem. 378, 345-362 (1997)
2. Johnson A and O'Donnell M. Annu Rev Biochem 74: 283 (2005)
3. Shikata K et al. J. Biochem. 129, 699-708 (2001)

### Fig.1 Detection of p66 protein of polymerase $\delta$ by Western blotting.

Lane 1 Extract of MCF7 cells.

The antiserum was diluted 2000 fold before use.

Fig.1



### Related Products

70-051 Anti-DNA polymerase  $\delta$  catalytic subunit p125 antibody,  
monoclonal (8A5E3) Best for western blotting

70-053 Anti-DNA polymerase  $\delta$  catalytic subunit p125 antibody,  
monoclonal (2C2C8) Best for immunoprecipitation

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